

STATE OF TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION

Division of Solid Waste Management Toxic Substances Program William R. Snodgrass Tennessee Tower 312 Rosa L. Parks Avenue, 14th Floor Nashville, Tennessee 37243

PCB Compliance Inspection Report

Holston Army Ammunition Plant 4509 West Stone Drive Kingsport, Hawkins, County, TN 37660 TN Project File ID: 37-0815-HAAP-02 TND003377231 (423) 578-6257

As authorized by: TSCA Section 28

Compliance Monitoring Cooperative Agreement, PCBs

State Grant #

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SUMMARY

On August 13, 2015, inspectors with Tennessee's Division of Solid Waste Management Toxic Substances Program arrived at the Holston Army Ammunition Plant office to conduct a TSCA Section 6 (e) site investigation.

Holston Army Ammunition Plant (HAAP) is an explosives production plant. The inspection covered the disposal of all equipment containing possible explosive residue and the location of PCB items onsite. The Scope of this investigation was to determine if PCBs are present in the materials burned under the HAAP TDEC RCRA and TDEC Air Pollution Control Title V permits. The inspection also followed up on the status of previously known PCB electrical equipment.

The site has two burn permits from the state of Tennessee one RCRA permit that covers waste explosives and residuals that representative stated had no possible PCBs.

The following are possible violations.

<u>Subpart D 40CFR 761.50 (a) (1):</u> The site is burning possible PCB Bulk material and oil being burned in open pans and burn piles, without providing any analytical data.

<u>Subpart K 40 CFR 761.218 (d) (1):</u> Multiple Certificates of Disposal do not match the disposed items or manifest.

<u>Subpart C 40 CFR 761.40(a) (2):</u> The labeled used was not the Large Mark and was not visible on PCB transformers.

Subpart B 40 CFR 761.35 (a) (1): the PCB electrical equipment that was no longer in use did not meet the marking requirements.

<u>Subpart B 40 CFR 761.35 (a) (2):</u> No maintenance records were available for the out of service transformers. The transformer in question was removed from service in 2011. There is no noted removed from service date. The future use of the transformer is not noted. There is no future use information

Subpart J 40 CFR 761.218 (a) (1) the certificate of disposal dated 3/24/15 does not have the EPA ID # of the two disposal facilities listed on the certificate.

<u>Subpart J 40 CFR 761.218 (a) (2)</u> there is a discrepancy from the manifest on one item the manifest stated that a transformer was disposed of (SN L495613PMLB) the certificate of disposal states material description as oil.

<u>Subpart D 40 CFR 761.60 (a) (1) (A-B)</u> Disposal method for transformers (SN L495622PMLB/ L495625PMLB) is listed as decommissioned which is not an approved disposal method. Certificate of Disposal dated 7/19/13 for un-manifested Non-PCB transformer sent for Reclamation also has a method of disposal of Decommission.

I. OPENING CONFERENCE

The inspector met with multiple representatives from BAE and the US Army, see list below. The purpose for the investigation was explained to all representatives. The Notification of Inspection, Notice of Confidentiality, and Declaration of Confidential Business Information (CBI) forms were described and signed. It was explained that except for items claimed as CBI, inspection of records was a required component of the inspection; William Shelton was informed that the Receipt for Documents (RFD) form will note that a request for information will be submitted by email. The RFD form was completed and signed. William Shelton was provided a set of the signed EPA forms at the end of the exit interview.

The Scope of this investigation was to determine if PCBs are present in the materials burned under the HAAP TDEC RCRA and TDEC Air Pollution Control Title V permits. The inspection also followed up on the status of previously known PCB electrical equipment.

II. BACKGROUND

- A. Date of inspection/time: August 13, 2015/11:40 a.m.
- B. Facility name, address, and phone number:

Site B:

Holston Army Ammunition Plant 4509 West Stone Drive Kingsport, Hawkins, County, TN 37660 423-578-6257

Site A:

Holston Army Ammunition Plant 501 Wilcox Drive Kingsport, Hawkins, County, TN 37660

- C. Parent company name, address, date of acquisition:
- D. Inspector(s) present:

Elizabeth Warner, State of Tennessee, EPA TSCA credential #10736 Pamela Franklin, State of Tennessee, EPA TSCA credential # Stephanie Day, State of Tennessee John Webb, TDEC DSWM

E. Facility representative(s) present:

Company	Name	Company	Name
BAE	Terry Armstrong	US Army	Scott Shelton
BAE	Michelle Bailey	US Army	Ray Brame
BAE	Amy Crawford	US Army	Gene Faxon
BAE	Paul Bailey US Army Joseph Kenned		Joseph Kennedy
BAE	James Ogle US Army Micha		Michael Vestal

F. Type of facility and operations performed:

HAAP produces RTX explosives for the US Military at Area A and Area B. Area A has two burn Permits from the state of TN the first permit from TDEC APC is a title V permit. The second permit is a TDEC RCRA burn permit. The site also has a permit for a solid waste landfill.

The site has two burn permits from the State of Tennessee one RCRA permit that covers waste explosives and residuals that representative stated had no possible PCBs. There is not a permit limit for the size of the burns. The second permit is a title V permit for potential explosive contaminated material there are two burn piles, two burn cages and two burn pans. The material is visually inspected before it is cleared to burn. Possible contents of burn pile:

APC open burn permit:

- o Filters
- Wash cloths
- Explosive waste bags
- Building debris such as:
- Wood
- Piping
- Plastics

RCRA burn pan permit:

Residual explosives from the manufacturing process.

Demolition of buildings containing explosive manufacturing was being conducted on site and debris from the buildings was being placed in the burn piles. Asbestos is abated before demolition and burning. Prior to demolition there is no testing of liquid or non-liquid for PCBs

There was no testing for non-traditional PCBs that could have been located within the equipment onsite. The age of the equipment was also unknown though some could be as old as facility.

The waste oil is collected in drums and burned in the burn piles onsite. The waste oil is not tracked by which building or piece of equipment it was located in and the waste oil is not tested for PCBs.

The used oil onsite is collected at a used oil collection point and is recycled using Enterprise Waste Oil out of Knoxville, TN. The used oil consists of oil drained from vehicles onsite. There was an open well head or pipe onsite within 15 feet of the used oil tank. There was no indication where the open pipe lead and the representatives did not know where the open pipe/well head lead to. No testing is conducted on used oil for PCBs.

G. Age and ownership history of site:

Holston Army Ammunition Plant has been operating on the property since 1942. BAE Systems division Ordinance Systems, Inc. has operated the plant for the past 25 years

H. Does the facility currently have or has it ever had PCB/PCB-containing equipment:

The facility currently has electrical equipment containing quantifiable levels of PCB.

III. PCB AUTHORIZED USES

A. Transformers:

PCB Transformers by location						
Location	Manufacturer	Seria Number	Notes			
Site B/coal Fired Boiler	GE	L495599PMLB	still operational			
Site B/coal Fired Boiler GE L495603PMLB the time of ins of 2011 was g		No noted out of service date at the time of inspection. A date of 2011 was given within correspondence				
Site A/Bldg 8A		7146126				
Site A/Bldg 8A		HOL 35811	No known information seen on walk through. Is added to inventory in 2012 removed no note in further inventory. Inventory number from inventory sheet			
Site A/Bldg 11		F962786	Not seen on walk through on 2014 inventory, states re- classified non PCB			
Site A/Bldg 12		APLR49861	Not seen on walk through on 10/2/09 inventory			
No location	location Westinghouse 3164525 correspondence. PC Contaminated 122 p		Listed on inventory sent in correspondence. PCB — Contaminated 122 ppm/ states re-classified non PCB 2014 inventory			

B. Capacitors:

PCB Capacitors by location						
Location Manufacturer Serial Num ID Numb			Notes			
Site A/Bldg 20A			SN not seen on inspection capacitor switch gear out of service			
Site A/Bldg 7A			SN not seen on inspection capacitor switch gear energized			
Site A/Bldg 6A	GE	25071/25072/25073	3 bank			
Site A/Bldg 5A	GE	25060/25061/25062/25063	4 Bank			
Site A/Bldg 2A	GE	24176/24177/24178/24179	4 Bank			
Site A/Bldg 8A		HOL30961	6 capacitor bank Large			
Site A/Bldg 201		HOL60835	Not seen on walk through on 10/2/09 inventory. Taken off inventory 2013			

C. Other electrical equipment:

No Known PCB Other electrical equipment, no confirmatory analytical data.

D. Heat transfer systems:

There were no known PCB Heat Transfer Systems reported at time of inspection.

E. Hydraulic systems:

No Known PCB Hydraulic systems, no confirmatory analytical data.

IV. STORAGE FOR REUSE:

There were no noted items slated as storage for reuse.

V. STORAGE FOR DISPOSAL:

The PCB storage area did not have an up to date log at time of inspection. The front of the building was marked with the large mark. The cage had correct berm size and was also marked with the large mark.

VI. DISPOSAL & SPILLS:

There have been no reported spills at the location. However waste streams are not tested.

VII. WASTE OIL:

Waste oil is collected from machinery onsite, though there is no tracking from machine to drum. There was no testing of the oil for PCBs. The waste oil that is considered explosive contaminated is burned.

VIII. RECORDKEEPING:

The annual document logs and annual records were not available at the time of inspection. Quarterly inspection logs were received in correspondence for the year 2009 for transformers and capacitors.

There was no documentation given for PCB transformers taken out of service since the last annual document log was completed. There were manifest for three transformers sent for disposal in March of 2009. There was no remove from service date tag on one PCB transformer taken out of service in 2011. The Annual Document Logs received by this office are January 2008-Jun 2009 and also January 2010 to December 2014 logs. The document logs are Attachment VII.

Maritest Facility #	Conserved Cons Section Cons	Section Representation	Description Manager	sen Description Cartificate of Disorced	Constr Disposal	Estado Estado	Disposat EPA EL	Chapteral Facility
0002196326FLE	6/19/2008	L495613PMLB	Transformer	Oil	6/19/2019	Incineration	GAD980839187	Deer Park, TX
0002196326FLE	3/11/2009	L495622PMLB	Transformer	Misc. Electrical Equipment Greater than 500ppm PCB	6/23/2009	Decommissioned	GAD980839187	PPM Coffeyville KS
0002196326FLE	3/11/2009	L495625PMLB	Transformer	Misc. Electrical Equipment Greater than 500ppm PCB	6/23/2009	Decommissioned	GAD980839187	PPM Coffeyville KS
004472699FLE	8/11/2011	24816695	no item meets description on manifest	Capacitor for Incineration	8/30/2011	Incineration	TXD055141378	Deer Park, TX
004800103FLE	2/25/2013	004800103FLE	non DOT regulated material	PCB Liquids For de-chlorination (<500PPM)	3/12/2013	oil Reclamation	GAD980839187	PPM Tucker, GA
004800260FLE			non DOT regulated material	PPMD80T Transformer <50 ppm for reclamation	7/19/2013	Decommissioned	OHD986975399	Twinsburg OH

The record keeping for transformers was not complete as there was a missing PCB contaminated transformer not listed along with a PCB containing transformer no longer in service that had not been moved or disposed of.

IX. FINDINGS AND POTENTIAL NON-COMPLIANCE ISSUES:

Subpart K 40 CFR 761.218 (d) (1)

Generators of PCB waste shall keep a copy of each Certificate of Disposal that they receive from disposers of PCB waste among the records they retain under §761.180(a).

Multiple Certificates of Disposal do not match the disposed items or manifest. See Certificates of disposal in Attachment VI

Subpart D 40CFR 761.50 (a) (1)

(1) No person may open burn PCBs. Combustion of PCBs approved under §761.60 (a) or (e), or otherwise allowed under part 761, is not open burning.

The site is burning possible PCB Bulk material and oil being burned in open pans and burn piles, without providing any analytical data. See Attachment V

Subpart C 40 CFR 761.40(a) (4):

Equipment containing a PCB Transformer or a PCB Large High Voltage Capacitor at the time of manufacture, at the time of distribution in commerce if not already marked, and at the time of removal of the equipment from use if not already marked

The label used was not the Large Mark and was not visible on PCB transformers. The label used was is poor condition. See Attachment III

Subpart B 40 CFR 761.35 (a) (1):

- (a) The owner or operator of a PCB Article may store it for reuse in an area which is not designed, constructed, and operated in compliance with §761.65(b), for no more than 5 years after the date the Article was originally removed from use (e.g., disconnected electrical equipment) or 5 years after August 28, 1998, whichever is later, if the owner or operator complies with the following conditions:
- (1) Follows all use requirements at §761.30 and marking requirements at subpart C of this part that are applicable to the PCB Article.

The PCB electrical equipment that was no longer in use did not meet the marking requirements.

Subpart B 40 CFR 761.35 (a) (2):

- (2) Maintains a records starting at the time the PCB Article is removed from use or August 28, 1998. The records must indicate:
- (i) The date the PCB Article was removed from use or August 28, 1998, if the removal date is not known.
- (ii) The projected location and the future use of the PCB Article.
- (iii) If applicable, the date the PCB Article is scheduled for repair or servicing

No maintenance records were available for the out of service transformers. The transformer in question was removed from service in 2011. There is no noted removed from service date. The future use of the transformer is not noted. There is no future use information.

Subpart J 40 CFR 761.218 (a)(1)

For each shipment of manifested PCB waste that the owner or operator of a disposal facility accepts by signing the manifest, the owner or operator of the disposal facility shall prepare a Certificate of Disposal for the PCBs and PCB Items disposed of at the facility, which shall include:

The certificate of disposal must contain the identity of the disposal facility, by name, address, and EPA identification number.

The certificate of disposal dated 3/24/09 does not have the EPA ID # of the two disposal facilities listed on the certificate.

Subpart J 40 CFR 761.218 (a)(2)

The identity of the PCB waste affected by the Certificate of Disposal including reference to the manifest number for the shipment.

There is a discrepancy from the manifest on one item the manifest stated that a transformer was disposed of (SN L495613PMLB) the certificate of disposal states material description as oil.

Subpart D 40 CFR 761.60 (a) (1) (A-B)

- (1) *Transformers*. (i) PCB Transformers shall be disposed of in accordance with either of the following:
- (A) In an incinerator that complies with §761.70; or
- (B) In a chemical waste landfill approved under §761.75; provided that all free-flowing liquid is removed from the transformer, the transformer is filled with a solvent, the transformer is allowed to stand for at least 18 continuous hours, and then the solvent is thoroughly removed. Any person disposing of PCB liquids that are removed from the transformer (including the dielectric fluid and all solvents used as a flush), shall do so in an incinerator that complies with §761.70 of this part, or shall decontaminate them in accordance with §761.79. Solvents may include kerosene, xylene, toluene, and other solvents in which PCBs are readily soluble. Any person disposing of these PCB liquids must ensure that the solvent flushing procedure is conducted in accordance with applicable safety and health standards as required by Federal or State regulations.

Disposal method for transformers (SN L495622PMLB/ L495625PMLB) is listed as decommissioned which is not an approved disposal method. Certificate of Disposal dated 7/19/13 for un-manifested Non-PCB transformer sent for Reclamation also has a method of disposal of Decommission.

ATTACHMENT I EPA INSPECTION FORMS



US ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20480

TOXIC SUBSTANCES CONTROL ACT

NOTICE OF INSPECTION					
int					
Under the authority of Section 11 of the Toxic Substances Control Act: For the purpose of inspecting (including taking samples, photographs, statements, and other inspection activities) an establishment, facility, or other premises in which chemical substances or mixtures, articles containing same are manufactured, processed, stored or held before or after their distribution in commerce (including records, files, papers, processes, controls, and facilities) and any conveyances being used to transport chemical substances, mixtures, or articles containing same in connection with their distribution on commerce (including records, files, papers, processes, controls, and facilities) bearing on whether the requirements of the Act are applicable to the chemical substances, mixtures, or articles within, or associated with, such premise or conveyance have been complied with. In addition, this inspection extends to (check appropriate blocks):					
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<u>Q</u>					
·····					
- COPY					
* S/r					

Retyped for use by the Tennessee Department of Environment and Conservation Division of Solid Waste Management William R. Snodgrass TN Tower, 312 Rosa L Parks Ave, 14th Floor, Nashville, TN 37243-1535, mark ATTENTION: Toxic Substance Section



US ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460

TOXIC SUBSTANCES CONTROL ACT

DECLARATION OF CONFIDENTIAL BUSINESS INFORMATION

DECEMBER OF COMMENTER DOCUMENT OF COMMENTER DECEMBER DECEMBER OF COMMENTER DECEMBER OF COMMENTER DECEMBER DECEMB						
1. INVESTIGATION IDENTIFICATION			2. COMPANY NAME			
	······		Holston ARMY Ammunition	nthail		
DATE	INSPECTION NO.	DAILY SEQ. NO.				
8/18/15	37-085-HAR-2					
3. INSPECTOR ADDRESS:	c Substances Prog	ram TNFC	4. COMPANY ADDRESS:			
WIII	am R Snodgrass, T Rosa L. Parks Ave,	N Tower	1504 (Dest Stoke D	/-		
Nasi	nville, TN 37243	17 11	Kingspiki, 710			
			acknowledgment of TSCA Confidential documents d	escribed below		
collected in connection with t	he administration and e	enforcement of the Tox	cic Substances Control Act.			
	INFORMATION DE	ESIGNATED AS CONI	FIDENTIAL BUSINESS INFORMATION			
NO.			DESCRIPTION			
		·				
	*					
		w				
	·····					
INSPECTOR SIGNATURE			CLAIMANT SIGNATURE			
NAME Develop Develop			NAME			
Pamela R Fr	ankiin					
TITLE		DATE SIGNED	TITLE	DATE SIGNED		
EM3	!	3113115				

EPA FORM 7740-2 (REVISED JULY 1996)

PREVIOUS VERSIONS ARE OBSOLETE

INSPECTORS COPY

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US ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460

TOXIC SUBSTANCES CONTROL ACT

TSCA INSPECTION CONFIDENTIALITY NOTICE

1. INVESTIGATION IDENTIFICATION	4. FACILITY NAME		
DATE INSPECTION NO. DAILY SEQ. NO.	Holston Army Ammunition Plant		
2. INSPECTOR'S NAME Elizabeth Warner	s. address 1569 West Sking VVI Kulysyeva z 10		
3. INSPECTOR ADDRESS Toxic Substances Program, TDEC William R Snodgrass, TN Tower	8. NAME OF CHIEF EXECUTIVE OFFICER 7. TITLE		
312 Rosa L. Parks Ave, 14th Fl Nashville, TN 37243	7. IIILE		
For Internal EPA use. Copies may be provided to recipient as acknowledgment of	of this notice.		
TO ASSERT A TSCA CONFIDENTIAL BUSINESS INFORMATION CLAIM			
It is possible that EPA will receive public requests for release of the information obtained during the inspection of the facility cited above. Such requests will be handled by EPA in accordance with provisions of the Freedom of Information Act (FOIA), 5 USC 552; EPA regulations issued thereunder, 40 CFR, Part 2; and the Toxic Substances Control Act (TSCA), Section 14. EPA is required to make inspection data available in response to FOIA requests unless the EPA Administrator determines that the data is entitled to confidential treatment, or may be withheld from release under other exceptions of FOIA. Any or all information collected by EPA during the inspection may be claimed as confidential if it relates to trade secrets, commercial, or financial matters that you consider to be confidential business information (CBI). If you assert a CBI claim, EPA will disclose the information only to the extent, and by means of the procedures set forth in the regulations (cited above) governing EPA's treatment of CBI. Among other things, the regulations require that EPA notify you in advance of publicly disclosing any information claimed as CBI. A CBI claim may be asserted at any time prior to, during, or after the information is collected. This notice was developed by EPA to assist you in asserting a CBI claim. If it is more convenient for you to assert a CBI claim on your own stationarry or by making the individual documents or samples "TSCA confidential business information," it is not necessary for you to use this notice. The inspector will be glad to answer any questions you may have regarding EPA's CBI procedures.	 The information is not, and has not been, reasonably obtainable without your company's consent by other persons (other than governmental bodies), or by use of legitimate means (other than discovery based on showing of special need in a judicial or quasi-judicial proceeding). The information is not publicly available elsewhere. Disclosure of the information would cause substantial harm to your company's competitive position. At the completion of the inspection, you will be given a receipt for all documents, samples, and other materials collected. At that time, you may make claims that some or all of the information is CBI. If you are not authorized by your company to assert a CBI claim, this notice will be sent by certified mail, along with the receipt for documents, samples, and other materials to the Chief Executive Officer of your company within 2 days of this date. The Chief Executive Officer must return a statement specifying any information which should receive CBI treatment. The statement from the Chief Executive Officer should be addressed to: USEPA REGION 4 81 Forsyth Street, S.W. 		
While you may claim any collected information or sample as CBI, such claims are not likely to be upheld if they are challenged unless the information meets the following criteria:	Mall Code: 9725 Attanta, GA 30303-8960 Attention: Kristin Lippert and mailed by registered, return-receipt requested mail within 7 calendar days of receipt of this notice. Claims may be made at any time after the inspection, but the inspection data will not be entered into the TSCA/CBI security system until an official		
 Your company has taken measures to protect the confidentiality of the information and it intends to continue to take such measures. 	confidentiality claim is made. The data will be handled under EPA's routine security system unless and until a claim is made.		
TO BE COMPLETED BY FACILITY OFFICIAL RECEIVING THIS NOTICE I acknowledge receipt of this notice:	If there is no one on the premise who is authorized to make CBI claims for this facility, a copy of this notice and other inspection materials will be sent to the company's Chief Executive Officer. If there is another official who should also receive this information, please designate below.		
SIGNATURE WWWWLES	NAME		
NAME MICHELLE BAILLY THE CONTRACT MANAGER THE CONTRACT MANAGER DATE SIGNED	TITLE		
TLE CONTYACT MANAGEV DATE SIGNED EDA FORM 7740-4 (Revised July 1997) PREVIOUS VERSIONS	ADDRESS		

Retyped for use by the Tennessee Department of Environment and Conservation Division of Solid Waste Management, William R. Snodgrass TN Tower, 312 Rosa L Parks Ave, 14th Floor, Nashville, TN 37243-1535, mark ATTENTION: Toxic Substance Section

ATTACHMENT II
PCB INSPECTION CHECKLIST

I. OPENING CONFERENCE

A. Present credentials
Notice of Inspection
Inspection Confidentiality Notice

B. State reason for inspection, how to make confidentiality claims, and approximate length of inspection.

	inspection.
. <u>BA</u>	CKGROUND
A. B.	Date of inspection Aug 3 2015 Facility name, address and phone number: HAAP 4509 W Stone DR KingSport TW
	Address of company headquarters, if located elsewhere
C.	Is the company a subsidiary of another? If so get name and address of parent company and date of acquisition.
D.	Inspector(s) present: S. Day / P. FRAWKLIN/E Warner
E.	Facility representative(s) present, include title(s): Ree coflactured
F.	Type of facility: 1. Commercial Facility 2. Utility 3. Industrial Facility
	Operations being performed?What is manufactured/facility function?What process and/or equipment is used?
G.	Age and ownership history of site: 194/2 (S) Army
	Does the facility currently have or has it ever had PCBs/PCB-containing equipment?
I.	PCB Activity: Generate Store for reuse, Disposal, Commercial storage, Disposal, Transporter, Other
	PCB Items: Articles-contact and non-contact (transformers), Containers – contact w/ PCBs, Article
	Containers — no contact PCBs, Equipment — contains an Article w/ no contact PCBs

III. PCB AUTHORIZED USES

A. Transformers (§761.30)

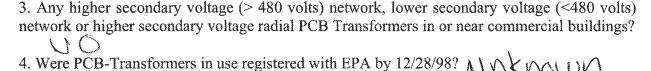
Assumption Rules for Transformers - May assume Non-PCB for Transformers \leq 3 lbs fluid, circuit breakers, reclosers, cable and rectifiers where PCB concentration is unknown

Must assume PCB-contaminated for Mineral Oil Equipment manufactured prior to 7/2/79 where PCB concentration not determined. Must assume Mineral Oil for all pole and pad distribution Transformers manufactured prior to 7/2/79.

May assume Electrical Equipment manufactured after 7/2/79 is Non-PCB.

Must assume PCB-contaminated if the date of mfg of Mineral Oil equipment is unknown. Must assume PCB-Transformer if manufactured prior to 7/2/79 with> 31bs fluid other than mineral oil where PCB concentration not determined or when date or type of fluid is unknown.

1. Are any PCB- Transformers (>300 ppm) or PCB-Contamir	nated Transformers in use/stored
for reuse?	
for reuse?	
•	es.
2. Do any PCB Transformers pose an exposure risk to food or f	Feed? 1 1
2. Do any i CD fransionners pose an exposure risk to rood of i	cou. NO
	,



							1	VI 119 10001	,
5.	Have	any	PCB-Contaminated	Transformers	been	discovered	to be	e PCB-Transformers	after

12/28/98? Out TRAUS LOT ON INVENDING.

If yes: Were Transformers registered with EPA within 30 days? (A person taking possession of a PCB Transformer after 12/28/98 is NOT required to register or re-register the Transformer).

6. Have PCB-Transformers registration records been maintained?

7. Have all PCB Transformers been registered in writing with the building owner if in or near a commercial building?

8. Are combustible materials stored inside a PCB-Transformer enclosure?

Within 5 meters of a PCB Transformer enclosure?

Within 5 meters of a PCB Transformer?

9. Are Quarterly PCB-Transformer inspections made? Annual inspections may be performed in lieu of Quarterly, IF:

a. Secondary containment of 100 percent of the capacity of the Transformer is provided, or

- b. PCB concentration of Transformer is <60,000ppm 90 days after service to reduce the PCB concentration.
- 10. Have there been any fires involving PCB-Transformers?

If yes: Date?	
Who responded?	
Did Transformer rupture?	
Was fire reported to the National Response Center?	

11. Do Quarterly PCB-Transformer inspection records include:

Transformer Location	
Inspection Date	
Inspectors Name	
Date Leak Discovered	
Location of Leak	
Estimate of PCB Amt released	
Date of Cleanup	
Containment	
Repair	
Description of Cleanup	
······································	

(MARKING §761.40 & §761.45)

- 12. Are PCB-Transformers labeled with 6x6 ML?
- 13. Is all equipment containing a PCB-Transformer marked?
- 14. Are means of access to PCB-Transformer enclosures marked with ML?
- 15. Were any leaking PCB or PCB-Contaminated Transformers observed?
- 16. Have any Mineral Oil-containing Transformer been tested and found to be >500 ppm PCB?
- **B.** Capacitors (§761.30(1))

Use conditions: Use of PCB-Large Capacitors after 10/1/88 is prohibited except for:

QL

- 1. Restricted Access and Contained Indoor Installation
- 2. Restricted Access Substations

Small capacitor - <3 lbs of dielectric fluid; if weight is unknown use §761.3 assumption(s)*

Large High Voltage Capacitor -≥3 lbs of dielectric fluid and operating at ≥2000 volts

Large Low Voltage Capacitor - ≥3lbs dielectric fluid and operating <2000 volts AC or DC

Light ballasts are regulated for commercial sources.

Must assume Capacitor mfg prior to 7/2/79 with no test is PCB.

May assume Capacitor mfg after 7/2/79 is non-PCB.

Must assume Capacitor is PCB if mfg date is unknown.

May assume Capacitor marked non-PCB by mfg is non-PCB.

*May assume Capacitor with total volume < 100 in has < 3 lbs fluid

*Must assume Capacitor with total volume > 200 in has > 3 lbs fluid.

*May assume Capacitor with total volume > 100 in³ but < 200 in³ is < 3lbs fluid if total weight of Capacitor is < 9lbs.

- 1. Are any PCB-Capacitors in use/stored for reuse? If so, how many?
- 2. Are 50 ppm PCB LHV or LLV Capacitors in use or storage?
- 3. Are Capacitors marked with ML? (LHVC and LLVC (§761.40(k)(1)) in service need to be marked)
- 4. Have any Capacitors been removed from service?

If yes: have Capacitors been individually labeled with ML?

NOTE: LLVC (<2000 volts) must be labeled upon removal from service.

- 5. Are all Capacitors equipped with nameplates specifying the type of dielectric fluid? (Capacitors without nameplates must be assumed to be PCB)
- 6. Are any Capacitors manufactured after 7/1/78 in use at the facility? If yes, are these Capacitors marked "No PCBs"? () ()
- 7. Were any leaking Capacitors observed during the inspection?

C. Other electrical equipment:

1. Any oil-filled switches, circuit breakers, reclosers, voltage regulators, etc. in use/stored for reuse?

o. # PCB contaminated

2. How was concentration determined? (by test, asked mfr,...

D. Heat transfer systems (Note: found most often in chemical industry)

Age	\
Purchased new or used?	
Type of fluid	
Capacity	
Operating temperature	
Was it tested, drained and refilled?	
(not applicable to all systems)	

E. Hydraulic systems:

1. Any hot oil-based systems used? If so, provide the following:

on and the contract of the con	
Age	
Brand of oil	
Operating temp	
Capacity (gallons)	
Ever contain PCB?	
Ever PCB tested?	
Any water cooling?	
If yes, is the system open or	
closed?	
If open, where is the water	
discharged?	
How is the water treated?	
Is the water tested for PCBs?	
Who conducts the tests?	

Note: PCBs are often used in hot hydraulic systems (because of its heat resistance) which in turn find use mainly in the metal-working industries like die casters, iron foundries, forges and metal formers, in the following types of equipment: die cast machines, metal pouring mechanisms of metal melting furnaces, furnace hydraulics (often door opening/closing mechanisms), forge presses, high tension welding machines and flame hardening equipment. PCBs can also be found contaminating the hydraulics of some "cold" (room temp) systems, again usually in the metal-working industries. Some examples are: drills, mills, broaches, chuckers, boring machines, gear machines, grinders, presses, lathes and threaders.

F. Recordkeeping (Note: Go to Recordkeeping Inspection Sheet, Module VIII.)

IV. <u>STORAGE FOR REUSE</u> (§761.35) (NOTE: Persons storing PCB Articles for reuse must follow all use conditions at §761.30 and marking requirements at Subpart C that are applicable to the PCB Articles)

A. Are PCB Articles stored for reuse in an area that does not comply with §761.65(b)? If yes, continue with checklist items B and C. $\bigwedge \bigcap$

B. Are records with the following information available for each unit stored in an area that does not comply with §761.65(b)?

Date article was removed from use \lor	
Projected location and future use of article	
If applicable, scheduled repair/servicing date	

- C. Have any articles been stored for reuse for more than 5 years?
- **D.** Annual Records (NOTE: the information in B above, if not recorded on the item or maintained in a separate log, should be maintained in the annual document log. Go to Recordkeeping Inspection Sheet, Module VIII)

V. STORAGE FOR DISPOSAL (§761.65)

- **A.** Storage for Disposal Unit (SFDU) Requirements (§761.65(b)) (Note: Conditions for PCB storage may differ for TSCA and RCRA or other alternative SFDUs)
- 1. Does it have an adequate roof, walls and floor?
- 2. Is the floor smooth and non-porous (as defined in §761.3) with continuous 6" (minimum) curbing? (NOTE: 6" curb not required for RCRA storage areas)
- 3. Are any drain valves, floor drains, and expansion joints, sewer lines or other openings that would permit escape of liquid from containment area?
- 4. Is the containment volume adequate:
 - (At least 2 times the internal volume of the largest PCB article/container or 25 percent of the total internal volume of all PCB articles or containers in storage. For RCRA units, I times the internal volume of the largest or 10% of the total internal volume)
- 5. Is the SFDU above the 100-yr flood water elevation
- 6. Is the SFDU marked with a 6x6 ML label
- B. PCB Storage
- 1. Are any PCB's/PCB Items stored within the SFDU If yes: Obtain an itemized inventory.
- 2. Are items dated when they were taken out of service for disposal?
- 3. Are items checked every 30 days for leaks?
- 4. Are leaks cleaned up immediately?
- 5. Are PCB Transformers, PCB Containers, or PCB Capacitors marked with ML?

6. Are any PCB Items declared "for disposal" stored outside the SFD?

If yes: are the applicable marking, 30 day temporary storage limits, reserve SFD storage capacity, inspection frequency, SPCC plan requirements met.

- 7. Are stationary tanks being used to store PCB items for disposal? (§761.65(c)(7)) (If yes, go to Waste Oil Inspection Sheet, Module VII)
- C. Commercial PCB Storage
- 1. Are PCBs generated by others stored for disposal at this facility?
- 2. If yes, answer the following:

Does the facility have a TSCA PCB commercial disposal approval,	
TSCA interim status authorization,	
A RCRA Part B container storage permit,	
Or is the facility a transfer facility storing PCB waste for ≤ 10 days?	

- 3. If the facility is a TSCA facility, is a copy of the current closure plan, closure cost estimate and financial assurance documentation available for review?
- 4. If the facility has a commercial storage approval, check storage inventory against maximum capacity limits and waste types approved for storage in written approval.

VI. DISPOSAL & SPILLS (§761.60 & §761 Subpart G)

A. Ever dispose of any PCBs/Items? If so, wh	at records are maintained: ADLs,
Manifests, Bills of Lading, CDs	
1. Liquids:	
a. Quantity (gallons, kg, etc.)	
b. Date(s)	
c. Manifest #(s)	
d. Certificate(s) of Disposal	
2. PCB Articles;	
a. Type of equip (transformers, regulators,	
circuit breakers. Etc.)	
b. Quantity / weight	
c. Date(s)	
d. Manifest #(s) (if no manifest, note who transported and who disposed)	
e. Certificate(s) of Disposal	
f Decontamination	

a. Type of Container & Contents	
b. Quantity & weight(s)	
c. Date(s)	
d. Manifest #(5) (if no manife who transported and who disposed	
e. Certificate(s) of Disposal	
1. EPA ID 1# 2.Identity of waste 3.Serial #/other means of ID if a service full factor of the	isposed
quirement to keep them didn't begin until d posals since 2/5/90, do they have the requ	Destruction are collectively called 'annual records', and the lisposals made on or after 2/5/90; therefore. If there have been any ired manifests and Certificates of Destruction?
ote: disposal manifests and Certificates of I quirement to keep them didn't begin until d sposals since 2/5/90, do they have the requ	Destruction are collectively called 'annual records', and the lisposals made on or after 2/5/90; therefore. If there have been any ired manifests and Certificates of Destruction?
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8

VII. WASTE OIL

Are waste oils generated, used, or stored at the	
facility?	
What is the source of the waste oils?	
Are waste oils tested for PCBs?	
Indicate which of the following classes of oils	
area generated, used or stored:	
Waste oil containing 2 - 49 ppm PCBs	
Waste oil containing 50 - 499 ppm PCBs	
-	
Waste oil containing> 500 ppm PCBs	
Are waste oils picked up by a recycler?	
List name of recycler (s).	
Are waste oils burned at the facility?	
If yes, has facility notified EPA-RCRA as a used	X
oil burner?	\mathcal{A}
Is burner unit a "qualified incinerator" as defined	
under §761.3? Type of burner?	
Have any PCB-contaminated waste oils (50-500	
ppm) been shipped to a commercial	
storage/disposal facility?	
Have any PCB-contaminated waste oils (50-500	
ppm) been sold for fuel or burned in a high	Y
efficiency boiler?	
Are bulk storage tanks used for waste oils	
containing <50 ppm PCB?	
Is an SPCC plan available for < 50 ppm PCB	7
bulk storage tanks?	×
Are bulk storage tanks labeled? (These tanks	X
must labeled if the PCB concentration is	O
unknown or >50 ppm.)	
Are in-out records (date amount) available for	3
* /	
bulk storage tanks? §761.65(c)(8) Have PCP flyidg (>500 ppm) ever been added to	
Have PCB fluids (>500 ppm) ever been added to	
bulk storage tanks?	
Have PCB-contaminated fluids (50-500 ppm)	Q
ever been added to <50 ppm PCB bulk storage	
tanks?	*

VIII. RECORDKEEPING §761.180

Annual Document Logs should constitute single documents which include all of the required elements identified in §761.180(a). Annual Records constitute all signed manifests and all Certificates o/Disposal received during the calendar year plus all records of inspection and cleanup performed in accordance with 761. 65 (c)(5) for the year. Annual Reports are required to be submitted by a commercial storer only by 7/15 and based on ADL & AR Records

Are Annual Document Logs (ADL) and Annual Records (AR) available?	
Are ADL on calendar year basis? (§761.180(a) -1989	:
must cover $1/1/89 - 2/5/90$. 1990 must cover $2/6/90 -$	
12/31/90)	
Are PCB-Transformers removed from service and PCB	
Articles stored at the facility itemized in ADL?	
Is the Total Weight (kg) of PCB's contained in these	
transformers shown?	
Date removed from service	
Date placed into transport for disposal	
Is the number of PCB Transformers and the Total Weight	
(kg) of PCB's remaining in service at calendar year end	
Are PCB Voltage Regulators recorded as PCB-	
Transformers	
Are LHV/LL V PCB-Capacitors removed from service	
itemized	
Date removed from service	
Date placed into transport for disposal	
Is the number of PCB LHV/LLV Capacitors remaining in	
service at calendar year end shown	
Is the number of PCB-Containers in the SFDU area	
shown	
Is the Weight (kg) of these PCBs also shown	
Are the container contents identified	
Are PCB-Items in containers listed	
Date placed into storage	
Date placed into transport for disposal	
Are PCB-Items distributed in commerce listed	
Name, address, and phone number of receiving facility shown	
Date of transfer shown	
1	3

Serial number or internal ID number shown	
Are names/locations of disposal / storage facilities for PCB shipments shown	
Are ADL kept for 3 years	
Does ADL list the unique manifest number for all shipments during the calendar year? (§761.180)(a)(2)(ii)	
Do ADLs list total number of PCB Containers and the Total Weight in kg of the contents of PCB Containers	

Holston Army Ammunition Plant Notes

Location: Holston Army Ammunition Plant (HSAAP)

4509 W Stone Drive

Kingsport, TN 37660

Date: August 13, 2015

Personnel Involved: See sign-in sheet

Notes - Opening Conference

- Round-table introductions, discussion about purpose of inspection and signing of EPA forms
- Request for updated inventory list
- 1hr break for lunch
- Permitting 2 permits for facility
 - 1. RCRA pan burns for explosives and production(?) residuals
 - 2. Title 5 explosives-contaminated equipment (e.g. PPE, not machinery), demolition debris, cloths (e.g. washcloths), explosives wastes bags. Primary constituents of burn pile are packaging, pipe, and PPE. These are done in the form of burn piles, approximately 4x/year.
- HSAAP personnel stated that there was no possibility of PCB contamination in RCRA burn pans, but potentially in the Title 5 burn piles due to the presence of demolition debris, although motors, etc. are decontaminated before being sent to the burn pile.
- Waste tickets are generated for each burn that list what's sent to the burn pile, but may not be sufficiently detailed.
- Equipment of concern is changed out (regularly? When malfunctioning?) decontaminated for reuse/rebuilding/storage (?) notes unclear about final destination for decontaminated equipment
- Personnel stated that air monitoring was not required by their two permits.

Misc.

- Asbestos removal is performed prior to demolition
- Control unites/panels are separate from the process manufacturing areas
- Some hydraulics/oil used in the production areas which generate waste oil. These were stated to be primarily motor oil and thus should not be contaminated with PCBs.
- HSAAP is starting a 12 month waste characterization study to quantify the amount of wastes in the buildings to be demolished. These buildings have been cleaned with respect to explosives residues only and then mothballed.
- Light ballasts are collected then sent off. The process by which HSAAP determines which ballasts are considered PCB contaminated and where they are sent was not noted.
- On-site landfilling is available.
- Recent inspections include December 12, 2014 (air) and end of July 2015 (hazardous waste).

Holston Army Ammunition Plant Notes

- The HSAAP site may be given back/sold to Eastman Chemical Company; if so, the Army would make a determination on the handling of PCB items.
- Personnel noted that no ballasts in the light fixtures in the explosives manufacturing buildings –
 the explosive-proof fixtures/lighting contain no ballasts
- Scrap metal from demolished buildings is handled by Thompson Metal for the site.

Transformers/electrical equipment

- All/most have been retrofilled and are considered PCB contaminated
- Known areas of PCBs from last inspection
 - o Bldg 200 (steam plant) 2 present, supposedly uncharged, but at least one was live
 - o Pump Room determined to have no PCBs present
 - o Bldg 122 PCB storage area
- Bldg 200 (steam plant)
 - o It was stated that the one of the transformers present were disconnected
 - Email dated August 18, 2015 stated that transformer #1 (SNL495603PMLB) was disconnected potentially in 2011 last service dates to around January 31, 2011. No determination on fate made yet.
 - Transformer 1 SN L495599PMLE, temp 20°C
 - o Electrostatic precipitators are present to reduce danger at steam plant
- There is an inventory of all of the pad mounted transformers and one containing most of the pole mounted ones containing in their GIS database.
- Potentially an issue with small capacitors at the waste water treatment plant (there is a letter that HSAAP has that explains further. A copy of this document was requested)

Burn Pile

- Primary constituents were wood, metal, piping and plastics. Piping (utilities) had been segregated at the time due to concern about lead based paint (LBP) from the production line.
- Pile heated to 1200 degrees for 6 hours to decompose explosives; water coming off of the pile goes to the on-site waste water treatment plant.
- Waste tickets generated for the burn pile doesn't necessarily detail debris amounts, type or
 original location; its intended use is as an internal safety measure.
- HSAAP is starting a 12 month waste characterization study to quantify the amount of wastes in the buildings to be demolished. These buildings have been cleaned with respect to explosives residues only and then mothballed.
- Light ballasts are collected then sent off. The process by which HSAAP determines which ballasts are considered PCB contaminated and where they are sent was not noted.
- On-site landfilling is available.
- An infrared camera is used to monitor the burn pile temperature to ensure complete decomposition of explosives.

Holston Army Ammunition Plant Notes

• Burn schedule – 4 burns in 2012 and 2013; 3 burns in 2014; 2 burns to date in 2015.

PCB storage area

- No items in storage area at time of inspection.
- Correctly labeled on front door; no label at rear garage entrance

Waste and Used Oil

- Used oil from the auto shop is recycled using Enterprise (Waste Oil out of Knoxville?)
- Water collects in the used oil storage pit when it drains; the water is tested (for leaks) and then disposed of at the waste water treatment plant.
- Waste oil from equipment (e.g. elevators, lifts, motors) is sent to the burn pile.
- Waste oil is not tracked by which building or piece of equipment it comes from. No note on where the accumulation point is.

•

Close-out conference

- Inspectors requested the following items
 - o Inventory of pole and pad-mounted PCB transformers on site
 - o Disposal records of the 5-6 steam room transformers that occurred in the past
 - Inspection logs for PCB storage area
 - o Records of disposal for light ballasts in all buildings, especially demolished ones
 - Storage for reuse records

Ronnie Wilhoit

From: Ogle, James (US SSA) < James.Ogle@baesystems.com>

Sent: Friday, August 01, 2014 4:21 PM

To: Ronnie Wilhoit

Cc: Shelton, William (US SSA); Armstrong, Terry (US SSA); Crawford, Amy (US SSA); Bailey,

Paul (US SSA); Proffitt, Skip (US SSA); Light, Jon (US SSA); Vestal, Michael Mr CIV USA

AMC; Quincy Styke

Subject: BAE Systems (OSI) HSAAP (37-0028) confirmation of conditional approval for planned

open burning

Mr. Wilhoit,

RE: BAE Systems Ordnance Systems Inc.'s (OSI), operating contractor for Holston Army Ammunition Plant (HSAAP) in Kingsport, Tennessee, confirmation of conditional approval for open burning of the explosive contaminated materials pile (source 37-0028-10) in accordance with Title V Permit Number 558406 Condition E5-2.

This email is being sent to document and confirm that OSI will be conducting open burning of the explosive contaminated materials pile (Source 37-0028-10) during the week of August 4, 2014 through August 8, 2014 provided proper conditions are present to ensure good air dispersion and that all other requirements of Condition E5-2 from Title V permit 558406 are met. If the weather is not favorable, OSI will continue to evaluate the weather for a day with the proper conditions to conduct the burn during the following week. If additional time before the end of August is needed to ensure that conditions are favorable another email will be provided to keep you informed.

As required and discussed during our July 29, 2014 conversation, OSI will conduct the open burning in accordance with the Division of Air Pollution Control (DAPC) Rule 1200-3-4-.04 (1)(k) and Conditions E5-1 through E5-8 of Title V permit 558406. Part of these conditions which we also discussed is to monitor the weather to ensure that appropriate conditions exist and that there is no air stagnation occurring that would potentially impact the dispersion. As stated OSI does monitor this information and will only burn if acceptable pollutant dispersion conditions are present. OSI checks with the EPA Air Now website to ensure that an action day alert has not been issued. As discussed the burn was not conducted in the second quarter since a good ventilation rate could not be calculated during a date available for the burn.

Approval

The optimum day from the dates listed above will be selected based on the forecasted conditions. OSI plans to use the finalized Excel based tool, developed using information provided by a consulting meteorologist from the March 2012 burn, to properly document the burn and to ensure that the intent of Condition E5-2 has been met. The forecasted weather conditions and the completed Excel tool documents will be maintained and made available during inspection. We understand the verbal approval of these dates were given only as long as a method is used to ensure the selected burn date is conducive for adequate air dispersion to meet the permit condition.

Background

All explosive contaminated materials must be disposed of in accordance with the requirements of DOD 6055.09 STD: DOD Ammunition and Explosives Safety Standards. Currently, no approved safe alternative to burning can be utilized to meet the desired level of decontamination for safe handling of the material. In accordance with our standard practice and Condition E5-1, we will light the pile between 0830-0900 hours unless low surface winds negatively affect the air dispersion, in which case a later start time will be selected.

If there are any concerns with the proposed burn schedule or further notification needs to be made to the Johnson City Environmental Field Office please contact me by phone at (423) 578-6231 or by email at james.ogle@baesystems.com. If you or others are interested in attending the scheduled burn just let me know.

Thank you in advance for your discussion and for your conditional verbal approval,

James E. Ogle

Environmental Affairs Specialist- Air BAE Systems Ordnance Systems Inc. Holston Army Ammunition Plant

Phone: 423-578-6231 Cell: 423-863-5102

james.ogle@baesystems.com

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CSWAB

CITIZENS FOR SAFE WATER AROUND BADGER
E12629 Weigand's Bay South - Merrimac, WI 53561
Telephone (608) 643-3124
Email: info@cswab.org
Website: www.cswab.org
www.facebook.com/cswab.org

July 20, 2015

Ken Feely, Regional PCB Coordination/Cleanups USEPA Region 4 61 Forsyth Street, S.W. Mail Code: 9T25 Atlanta, GA 30303-8960 Phone 404-562-8512 Feely ken@Epa.gov

SENT BY ELECTRONIC MAIL

RE: Request for EPA Assistance in Assuring Compliance with TSCA Regulations in the Treatment of Explosives-Contaminated Wastes at the Holston Army Ammunition Plant, Tennessee

Dear Mr. Feely:

As the regulatory agency responsible for enforcing Toxic Substances Control Act (TSCA) regulations, we are requesting EPA's assistance in assuring that open air burning and thermal treatment (including heating) of explosives-contaminated wastes at Holston Army Ammunition Plant are in compliance with these regulations. PCBs (polychlorinated biphenyls) are the only chemical class specifically named in TSCA because Congress believed that the chemical and toxicological properties of PCBs posed a significant risk to public health and the environment. TSCA also provides for the regulation of asbestos. EPA's immediate attention is requested as multiple sources at the site are currently active.

Human exposure to PCBs is a concern because of the wide range of adverse health effects including skin irritation, reproductive and developmental effects, immunologic effects, liver damage, and cancer. The developing fetus, infants, and children are the population groups most vulnerable to exposure. Exposure may impede the development of their brains, reproductive, immune, and endocrine systems. Emissions from open air burning may be expected to cause an increase in respiratory symptoms for individuals with asthma or other sensitive populations such as children or the elderly.²

¹ U.S. Environmental Protection Agency, TSCA Enforcement Program, accessed online July 7, 2015 at http://www.epa.gov/region1/enforcement/tsca/

² U.S. EPA, Region 5, Comments on the Analysis, Preliminary Determination and Draft Plan on the Explosive Decontamination and Demolition at Badger Army Ammunition Plant (BAAAP) in Wisconsin, September 22, 2003.

EPA has affirmed that dioxins (i.e., chlorinated dioxins and chlorinated furans) could be a byproduct from combustion of the PCBs found in buildings and demolition debris. In addition, polychlorinated dibenzofurans could also be formed and may be the predominant form.³

Because PCBs and dioxins are actually mixtures of semivolatile organic compounds with congeners that have a range of volatilities, PCBs and dioxins emitted to air will distribute between the vapor phase and the particulate phase (by adsorption onto particles). The vapor phase PCBs and dioxins are subject to direct uptake by the leafy parts of grass and crops; and the particulate matter can deposit onto crops and soil.⁴

Also, vapor phase and particulate PCBs and dioxins can diffuse into water bodies, deposit directly onto water bodies, and enter waterbodies via soil erosion and runoff. Both PCBs and dioxins are persistent in the environment and do not readily degrade. PCBs can travel long distances in the air (>10 miles) and deposit in areas far from where they were released.

In addition to direct exposure through inhalation, indirect pathways are possible and associated risks from these pathways could be higher. Examples of indirect pathways include uptake of PCBs and dioxins into edible crops and pasture grass, human consumption of edible crops, consumption of pasture grass by beef and dairy cattle and other livestock followed by human consumption of the livestock and milk, incidental soil ingestion and dermal contact with PCBs and dioxins in soil, uptake and bioaccumulation of PCBs by fish in waterbodies, and human consumption of fish.

Holston Army Ammunition Plant

The open burning area for waste explosives and explosives-contaminated material at Holston Army Ammunition Plant is located approximately 0.85 miles from the closest facility boundary and approximately 1.5 miles from the closest resident, according to BAE Systems Ordnance Systems Inc. (OSI) – the operating contractor for Holston Army Ammunition Plant. The base is located at the headwaters of the Holston River at Kingsport, Tennessee.

In December 2011, officials with the Tennessee Division of Air Pollution Control reported observing ground level smoke from Holston lingering in the general area, impacting local air quality. On multiple occasions, community members have reported and photographed ground level smoke in neighboring residential areas that coincides with open burning at Holston. These observations indicate that residents are at risk for exposure to emissions from open air burning. It is also reasonable to expect that populations in closer proximity to the various source areas at Holston, such as onsite workers and other

³ U.S. EPA, Region 5, Comments on the Analysis, Preliminary Determination and Draft Plan on the Explosive Decontamination and Demolition at Badger Army Ammunition Plant (BAAAP) in Wisconsin, September 22, 2003. ⁴ U.S. EPA, Region 5, Comments on the Analysis, Preliminary Determination and Draft Plan on the Explosive Decontamination and Demolition at Badger Army Ammunition Plant (BAAAP) in Wisconsin, September 22, 2003. ⁵ U.S. EPA, Region 5, Comments on the Analysis, Preliminary Determination and Draft Plan on the Explosive Decontamination and Demolition at Badger Army Ammunition Plant (BAAAP) in Wisconsin, September 22, 2003. ⁶ U.S. EPA, Region 5, Comments on the Analysis, Preliminary Determination and Draft Plan on the Explosive Decontamination and Demolition at Badger Army Ammunition Plant (BAAAP) in Wisconsin, September 22, 2003. ⁷ Tennessee Department of Environment and Conservation, Tennessee Division of Air Pollution Control (DAPC), online database accessed July 7, 2015 at http://environment-online.state.tn.us:8080/pls/enf_reports/f?p=19031:34251:7106768381034::NO:34251:P34251_ROW_ID:23734

personnel, are at increased risk for exposure to the uncontrolled release of pollutants from open air burning and thermal treatment activities.

There are three main types of wastes that are burned at Holston, according to OSI.⁸ The first is bulk raw explosives that have become contaminated through contact with the manufacturing floor or out-of-spec product unsuitable for use or reprocessing. This waste is burned normally each week in open burn pans.

The second type of waste consists of explosives-contaminated small articles such as plastic bags, paper towels, filters, personal protective equipment, and dewatering filter socks. This material is placed in a steel cage and is generally burned once a week even though it is permitted daily. ⁹

The third type of waste is large articles that may be contaminated with explosives and includes various materials, piping from buildings, process vessels, building demolition material including concrete, and possibly soil surrounding these areas. This material is placed in large piles at the burning ground. 10

Since many of the materials that are required to be thermally decontaminated are not combustible, large amounts of clean wood are used along with small quantities of kerosene or diesel to facilitate the burning of pile material. ¹¹

Over the past several years OSI and the Army have been working on removing inoperable and decommissioned **equipment and structures** from the site. This has been a multi-year project and is approximately 50% complete, OSI has reported. The estimated completion date for the second phase of the demolition projects is in approximately three years.

The Holston Army Ammunition Plant is the major supplier of explosive materials – primarily RDX- and HMX-based products – to the U.S. Department of Defense, according to OSI. The EMCW (Energetic Material Contaminated Waste) generated is primarily composed of paper, plastic bags, pallets, boxes, liners, piping, and other items potentially contaminated with EM. In the past, EMCW disposal accounted for 92 percent all material disposed. Flashing has been conducted outside the open burning grounds in decontamination ovens or in one of the EMCW piles.

⁸ BAE Systems Ordnance Systems Inc., Reviewed by HSAAP Staff, Correspondence to Tennessee Department of Environment and Conservation, Division of Air Pollution, Subject: BAE Systems Ordnance Systems Inc., Holston Army Ammunition Plant, Information Requested by TDEC for Open Burning Ground Sources 37-0028-10 and 37-0028-53, July 13, 2012.

⁹ BAE Systems Ordnance Systems Inc., Reviewed by HSAAP Staff, Correspondence to Tennessee Department of Environment and Conservation, Division of Air Pollution, Subject: BAE Systems Ordnance Systems Inc., Holston Army Ammunition Plant, Information Requested by TDEC for Open Burning Ground Sources 37-0028-10 and 37-0028-53, July 13, 2012.

¹⁰ BAE Systems Ordnance Systems Inc., Reviewed by HSAAP Staff, Correspondence to Tennessee Department of Environment and Conservation, Division of Air Pollution, Subject: BAE Systems Ordnance Systems Inc., Holston Army Ammunition Plant, Information Requested by TDEC for Open Burning Ground Sources 37-0028-10 and 37-0028-53, July 13, 2012.

¹¹ BAE Systems Ordnance Systems Inc., Reviewed by HSAAP Staff, Correspondence to Tennessee Department of Environment and Conservation, Division of Air Pollution, Subject: BAE Systems Ordnance Systems Inc., Holston Army Ammunition Plant, Information Requested by TDEC for Open Burning Ground Sources 37-0028-10 and 37-0028-53, July 13, 2012.

¹² U.S. Army Corps of Engineers, Alternatives for Open Burning/Open Detonation of Energetic Materials, Technical Report 98/104, August 1998, page 22.

Open Air Burning of Munitions-Contaminated Wastes as a Source of PCBs/Dioxin Releases

Beginning in 2000, the Army began pressing for approval to open air burn more than 1,000 excess buildings at Wisconsin's Badger Army Ammunition Plant (Badger) – a proposal that even the military acknowledged was not environmentally friendly.¹³ Studies by the U.S. Army Industrial Operations Command at Sunflower Army Ammunition Plant in Kansas confirmed that open burning of explosive-contaminated structures produces toxic emissions including "nitrous oxide, carbon monoxide, asbestos, lead vapors, lead particulates, zinc, polyaromatic hydrocarbons, and dioxins".¹⁴

The Army study affirmed that during an open burn materials are "changed from a solid form and are released to the atmosphere where they will certainly be deposited over a large area resulting in contamination of soil and surface water". Open air burning of excess structures would pose several potential risks including:

- Potential risks to workers posed by the inhalation of vapors and fugitive particulates during the burning of the building; ¹⁶
- Potential risks to personnel and others who may be exposed to air borne vapors and dust generated during burning;¹⁷
- Potential risks to both human receptors and environmental receptors from the deposition of air borne particulates; these deposited materials could affect both soil and surface water bodies in the area surrounding the burn site.¹⁸

In 2002, the Army at Badger first reported that high levels of PCBs had been detected in paint in buildings at concentrations more than 400 times the federal threshold of 50 ppm (parts per million). In 2003, EPA Region 5 received a draft plan and request to burn buildings at Badger as a form of demolition. Open burning of excess structures would not only cause the uncontrolled release of PCBs, it would disperse dangerous levels of dioxins and furans to the environment – toxins that are known to accumulate in the food chain and cause birth defects in humans and animals.

CSWAB maintained that if the EPA approved open burning of regulated levels of PCBs at Badger that it would set a significant national precedent. The regional office agreed and the decision was referred to EPA headquarters in Washington, DC.

During the three years that EPA considered the Army's proposed open burning of PCB-contaminated buildings, CSWAB organized a strong national campaign opposing open burning that garnered support from more than 160 organizations. We traveled to Washington to meet with federal legislators and EPA

¹³ U.S. Army Industrial Operations Command, Plexus Scientific, Risk Analysis and Environmental Stabilization Plan for Excess Personal Property, Sunflower Army Ammunition Plant, Final, 29 July 1996, page 4-3.

¹⁴ Ibid.

¹⁵ U.S. Army Industrial Operations Command, Plexus Scientific, Risk Analysis and Environmental Stabilization Plan for Excess Personal Property, Sunflower Army Ammunition Plant, Final, 29 July 1996, page 5-4.

¹⁶ U.S. Army Industrial Operations Command, Plexus Scientific, Risk Analysis and Environmental Stabilization Plan for Excess Personal Property, Sunflower Army Ammunition Plant, Final, 29 July 1996.

¹⁷ U.S. Army Industrial Operations Command, Plexus Scientific, Risk Analysis and Environmental Stabilization Plan for Excess Personal Property, Sunflower Army Ammunition Plant, Final, 29 July 1996.

¹⁸ U.S. Army Industrial Operations Command, Plexus Scientific, Risk Analysis and Environmental Stabilization Plan for Excess Personal Property, Sunflower Army Ammunition Plant, Final, 29 July 1996.

headquarters, to Chicago to meet EPA officials there, and submitted dozens of Freedom of Information Act requests.

Our members sent in more than 1,400 postcards to the EPA, thousands of emails were sent to legislators, EPA officials, and the Wisconsin Department of Natural Resources (WDNR). National and local media attention – radio, television, and print – raised the visibility of the issue and our campaign. In addition to considerable citizen activism, there was significant local Congressional involvement. Prominent among them were U.S. Senator Russ Feingold, U.S. Senator Herbert Kohl and then-Congresswoman Tammy Baldwin.

With support from community members, we hired an expert on dioxins. We built and strengthened alliances with communities near other bases including the Ravenna Arsenal in Ohio, Indiana Army Ammunition Plant, Sunflower Army Ammunition Plant in Kansas, and others. Community members there helped to organize grassroots support for our shared campaign to protect human health and the environment.

Collectively, these actions prompted officials at Badger to explore non-thermal solutions and the Army successfully gained approval from the U.S. Department of Defense Explosives Safety Board for wet demolition of buildings that had been previously identified by the military as **highly sensitive**. Altogether, more than **1,300** explosives-contaminated buildings that were originally slated for open air burning were successfully decontaminated and demolished at Badger using this non-thermal alternative.

At the same time, the Army at Ohio's Ravenna Army Ammunition Plant abandoned plans to open air burn more than 100 buildings. At Iowa Army Ammunition Plant, the Army used chemical neutralization instead of burning to desensitize contaminated buildings. The Army utilized indirect heat to treat explosives-contaminated buildings (without PCBs) at Twin Cities Army Ammunition Plant in Minnesota.

In 2006, after extensive multi-program discussions, EPA Headquarters confirmed that the burning of buildings with regulated levels of PCBs was prohibited and could not be approved. ²⁰ Ultimately, TSCA PCB issues and local citizen opposition stopped the Army's plans for open air burning. ²¹

Thermal Treatment of Munitions-Contaminated Wastes as a Source of PCBs/Dioxin Releases

Thermal treatment of painted non-flammable objects is considered the source of unsafe levels of PCBs in soils at the Badger Army Ammunition Plant in Wisconsin. Following the detection of high levels of PCBs in paint on pipes, flanges, and other metal objects, CSWAB asked state regulators to require environmental testing for PCBs at the site of a former decontamination oven – a facility used to thermally treat metal objects for explosive contamination. During operation, resultant particulates and fumes from the oven were released directly to the open air with no treatment or emissions controls.

¹⁹ U.S. Environmental Protection Agency, Briefing Paper, Topic: Badger Army Ammunition Plant, Baraboo, Wisconsin, May 10, 2007.

²⁰ U.S. Environmental Protection Agency, Briefing Paper, Topic: Badger Army Ammunition Plant, Baraboo, Wisconsin, May 10, 2007.

²¹ U.S. Environmental Protection Agency, Briefing Paper, Topic: Badger Army Ammunition Plant, Baraboo, Wisconsin, May 10, 2007.

In 2005, testing by the Army detected Aroclor 1254 (a commercial PCB mixture) in adjacent soils at levels as high as 740 ug/kg, exceeding the EPA Region 9 Residential Preliminary Remedial Goal (PRG) of 220 ug/kg and "right at" the EPA Region 9 Industrial PRG of 740 ug/kg.

The WDNR has confirmed that temperatures in Badger's decontamination oven were sufficient to volatize PCBs and other contaminants. In correspondence to CSWAB, the WDNR wrote: "The primary PCB Aroclor used in paint was 1254 ... under heating at 450 degrees Fahrenheit it is likely that the Aroclor 1254 did volatize out of the paint." ²²

In the past, paint manufacturers used from 5 to 12 percent PCBs in paints as a plasticizer. According to the Washington State Department of Ecology, lead, mercury, cadmium, and chromium were commonly used in paint as pigments and preservatives and are found in paint on older buildings. Arsenic was used as a pigment, a wood preservative, and as an anti-fouling ingredient. Barium was used as a pigment and a corrosion inhibitor. Latex paint produced before 1992 may contain mercury which was added as a fungicide.

Accordingly, analysis of paint on structures, pipes and other equipment at Badger Army Ammunition Plant detected elevated levels of arsenic, barium, cadmium, chromium, lead, mercury, silver and PCBs.²³ (A table with these test results is attached.)

If paint is found to contain asbestos, disposal could be subject to the asbestos NESHAP (National Emissions Standards for Hazardous Air Pollutants) regulations.²⁴ Regulators held that if 1% asbestos concentration was found to be entering the decontamination oven at Badger that asbestos abatement would be required, especially as heating can cause flaking of the paint with the potential for release of asbestos into the air.²⁵

In addition to paint, PCBs were also used in other building materials such as mastics, sealants, adhesives, and specialty coatings. PCBs were a common additive to caulk because of their water and chemical resistance, durability, and elasticity. Caulk containing PCBs was used in some buildings, including schools, primarily between 1950 and 1980.

Other significant potential sources of dioxins emissions include combustion of wood, plastics, and other building components. In some instances "several tons of wood" are burned to treat a very small amount of waste at Holston, according to officials with the Tennessee Division of Air Pollution Control.

²² Wisconsin Department of Natural Resources letter to Laura Olah, Executive Director, Citizens for Safe Water Around Badger, Subject: Decon Oven at the Badger Army Ammunition Plant, July 25, 2003.

²³ U.S. Army, Badger Army Ammunition Plant, Paint Analysis Data, table obtained from U.S. EPA Region V via FOIA request in 2009.

²⁴ U.S. Environmental Protection Agency, *EPA Comments on the Tests of PCB Releases During Burning Activities At Ravenna Army Ammunition Plant – Draft Phase 1 Test Plan*, September 28, 2005.

²⁵ U.S. EPA/Wisconsin DNR, Badger WAAP Meeting Minutes, June 4, 2008. Document obtained through CSWAB FOIA request to EPA Region 5.

Asbestos

As noted above, concrete and building demolition materials are specifically identified as thermally treated wastes at Holston by the operating contractor. Asbestos was historically added to a variety of building materials and is found in concrete and concrete-like products. In addition to asbestos in the concrete itself, asbestos can be present in materials used to coat the asbestos such as paints and asphalt type coatings. Some caulks, used to seal seams or joints, contain asbestos.

There can also be asbestos concrete pipes or transite siding (a fireproof composite material made of asbestos and cement), and cement ducts embedded in the concrete. Cement-like products used to patch or fill concrete and brick may contain asbestos. Literally hundreds of cement-based products used for insulation, masonry, stucco, finishing, roads, and other applications contain asbestos. In other words, even if the concrete does not contain asbestos that does not mean that there are not other asbestos containing products that may need to be addressed.

Hubbellite is the brand name for a poured seamless floor that entered the market in the 1940s and is an example of applied flooring that may contain asbestos. **Hubbellite applied to concrete floors at Wisconsin's Badger Army Ammunition Plant contained approximately 10 percent chrysotile or "white asbestos"**. Hubbellite is composed of a mixture of cement, limestone, copper and magnesium compounds, and proprietary additives. According to the manufacturer, Hubbellite flooring is fire resistant, chemical resistant (including solvents), non-sparking, and static-disseminating. ²⁶

In 1998, the EPA issued a memo alerting industry and labor organizations of the potential for asbestos in "soft" concrete in the roofs of buildings. An inspection of a roof repair project on a government building revealed that the concrete material used for forming the roof surface in 1934 contained a high concentration of asbestos. Analysis of the concrete revealed it had an asbestos content of between two and 10% by weight.

Military Formulation of Super Powerhouse insulation cement (produced from 1957 to 1971) contained 5% chrysotile asbestos and was developed to conform to government specification. This product was manufactured and sold exclusively for U.S. government military installations. (The commercial formulation without asbestos continued in production.) Both products were dry, mixtures containing spun mineral-wool, hydraulic setting binders, clays and other ingredients. Its use in or on concrete is not known.

Questions:

- Are all items and wastes subjected to open burning, thermal treatment or heating (as in a decontamination oven) at Holston Army Ammunition Plant tested for PCBs, asbestos and other TSCA-regulated substances? How is this documented and where can the public access this information and corresponding data?
- Is it possible that items and wastes containing regulated levels of PCBs, asbestos or other TSCA-regulated substances were subjected to open air burning, thermal treatment or or heating (as in a decontamination oven) at Holston in the past? How has this been addressed and where can the public access this information and corresponding data?

²⁶ Citizens for Safe Water Around Badger, *Asbestos in Concrete at U.S. Military Bases*, June 6, 2005. Accessed online at http://cswab.org/asbestos-in-concrete-at-u-s-military-bases/.

Recommendations:

- If comprehensive analysis for TSCA-regulated substances has not and is not being conducted, all
 open burning, thermal treatment and heating (as in a decontamination oven) of items and
 wastes at Holston should be <u>immediately</u> suspended until the Army can demonstrate full
 compliance with all applicable federal regulations.
- Consistent with EPA's Environmental Justice policies, the Agency should take active steps to
 promote community outreach and engagement. This should include regular public forums that
 provide community members with the opportunity to make recommendations, seek
 clarification, express concerns, and have their questions answered.

Sincerely,

(aura)Olah, Executive Director

Below: Photographs (6)

Attached as .pdf files:

- Paint analysis data for PCBs and other parameters at Badger Army Ammunition Plant
- Defense Environment Alert, EPA Rejects DOD Calls for Allow Open-Burning of PCB-Coated Materials, August 29, 2006
- Record-Courier, Burn at Ravenna Arsenal Not Likely EPA Rejects Plan to Dispose of Buildings,
 September 2, 2006

CC w/attachments:

Gina McCarthy, EPA Administrator

Cynthia Giles, Assistant Administrator, EPA Office of Enforcement and Compliance Assurance Scott Gordon, U.S. EPA Federal Facilities Program, Region 4

U.S. Senator Lamar Alexander

U.S. Senator Bob Corker

U.S. Congressman Phil Roe MD

Governor Bill Haslam

Lt. Governor Ron Ramsey

State Representative Bud Hulsey

State Representative Jon Lundberg

Quincy Styke, Tennessee Department of Environment and Conservation

John C. Webb, Tennessee Department of Environment and Conservation

Ron Wilhoit, Tennessee Department of Environment and Conservation

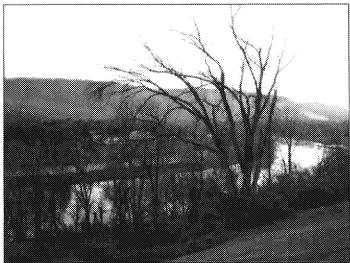
Renée Victoria Hoyos, Tennessee Clean Water Network

Jane Williams, California Communities Against Toxics

Mark & Connie Toohey

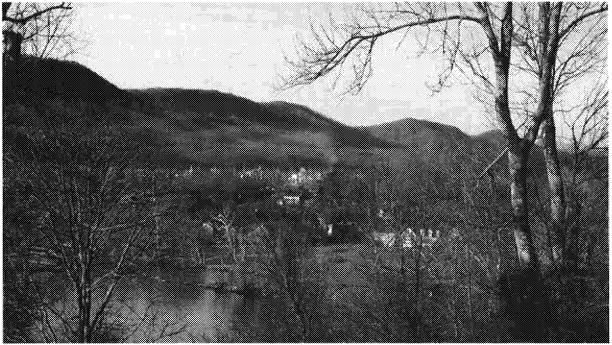
Photographs of smoke affecting residential areas near Holston AAP, December 2011 and March 2013

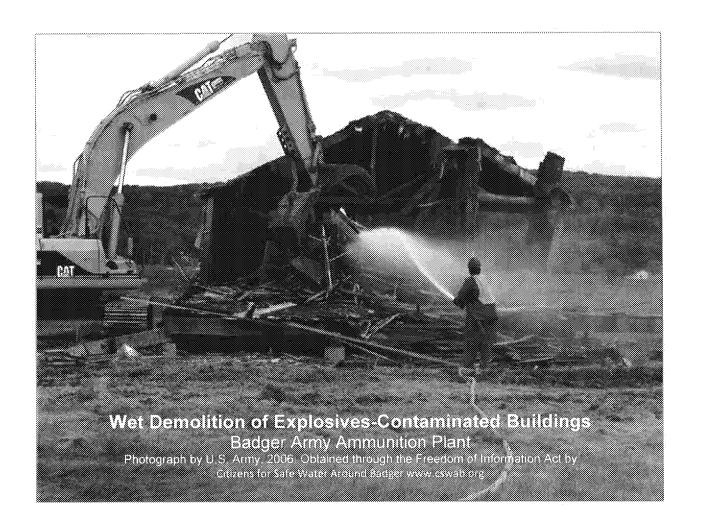












ATTACHMENT III SITE PHOTOS

Photo Album

by BG35022



Burn Pile East Side



Burn Pile possible lead based painted pipe



Burn Pile possible lead based painted pipe



Burn Pile South Side



3



Burn Pile North Side



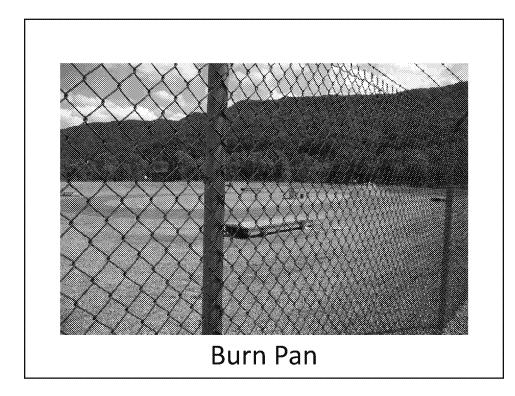
Burn Cage

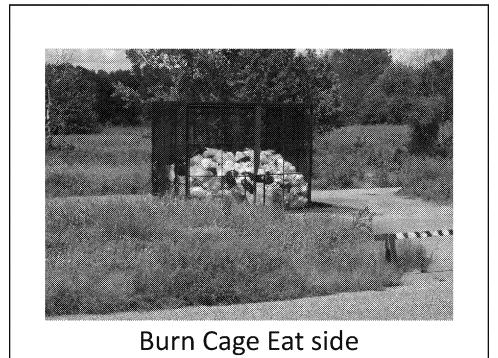


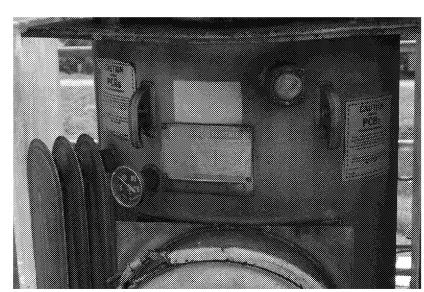
Burn Pile close up Northside lead based paint pipe pile



Burn Pile North Side







Bldg 200 PCB Transformer L495599PMLB





Bldg 200 PCB Transformer L495603PMLB



Waste oil area

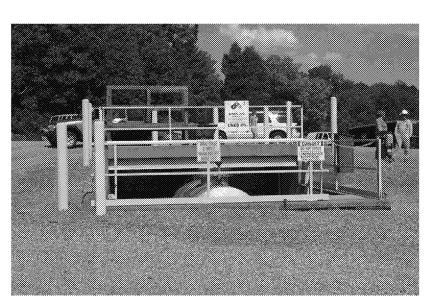




Bldg 122 PCB storage area



Bldg 122 PCB storage Cage



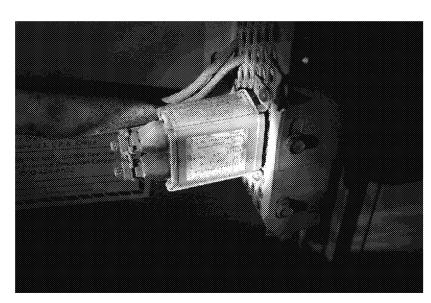
Used oil area



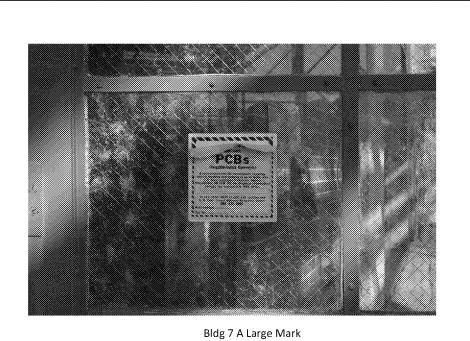
Used oil area



Bldg 20 A PCB Large Mark



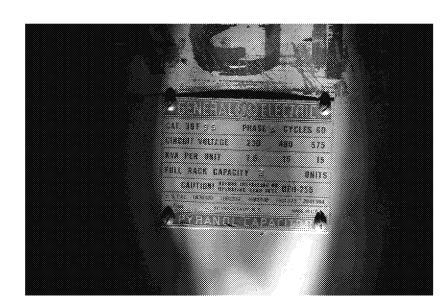
Bldg 20 A capacitor inside switch gear



12



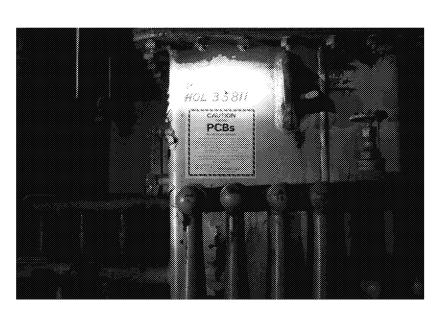
Bldg 7 A unknown capacitor bank PCB concentration



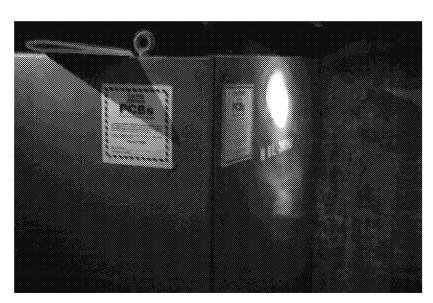
Bldg 2 A switch gear



Bldg 8 A Transformer HOL 35811



Bldg 8 A Transformer HOL 35811



Bldg 8 A Transformer unreadable HOL ID number



Bldg 8 A Capacitor 6 Bank HOL 30961

ATTACHMENT IV RECEIPT OF DOCUMENTS FORM



US ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20480

VEFA				
		RECEIPT FOR DOCU	MENTS	
1. INVESTIGATION	IDENTIFICATION:		2. COMPANY NAME	
DATE	INSPECTION NO.	DAILY SEQ. NO.	Holston Army Ammunition Plan	À.
8113115	371-0615-HAMO-OSL		Contact Person:	
3. INSPECTOR ADI	ORESS Toxic Substance William R Snods 312 Rosa L. Parl Nashville, TN 37	grass, TN Tower ks Ave, 14 th Fl	4. COMPANY ADDRESS 4509 WEST STONE OR KINGSPORT, 730	
For internal EPA use below collected in co	e. Copies of this form may nnection with the administ	be provided to recipion	ent as acknowledgment of the documents describe nt of the Title X, Section 1038 Disclosure Rule.	d
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NO.		DE	SCRIPTION	***************************************
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ATTACHMENT V INSPECTION CORRESPONDENCE RECEIVED FROM Amy Crawford

Crawford, Amy (US SSA)

From:

Foy, Matthew (US SSA)

Sent:

Tuesday, July 30, 2013 11:23 AM

To:

Bright, Michael (US SSA); Harper, Scott (US SSA); Boggs, Jeffery (US SSA); Alley, Calvin

(US SSA); Darnell, Justin (US SSA)

Cc:

Crawford, Amy (US SSA)

Subject:

Bldg 201 Pump House - Capacitors in basement

Importance:

High

All.

See confirmation below. These capacitors DO NOT contain PCB fluids. Hence, any all references to them being treated as such, should be discontinued.

Amy – if you will update environmental's records (PCB plan, SPCC plans (?)), I'll see that our PM is updated to remove these items from the inspection list.

Thanks.

Matt Foy

BAE Systems - Ordnance Systems Inc.

Manager, Electrical & Instrument Services

O: 423.578.6086

E: matthew.foy@baesystems.com

CONFIDENTIALITY NOTICE: The information in the attached communication is confidential, is intended solely for the addressee, includes proprietary items. If you are not the intended recipient, any disclosure, copying, distribution or any action taken or omitted to be taken in reliance on it, is prohibited and may be unlawful. If you have received this communication in error, please notify the sender and shred any paper copies. If you are not the intended recipient you may not retain, copy or use this communication for any purpose. If you are the intended recipient you should not disclose all or any part of the contents to any other person, except in accordance with all applicable nondisclosure and confidentiality agreements. Sender reserves all intellectual property rights in this communication, including but not limited to copyrights, trade secrets, patents and trademarks as applicable.

From: ENERGY Parts Only Requests (GE Energy Services) [mailto:energy.partsonlyrequests@ge.com]

Sent: Tuesday, July 30, 2013 11:14 AM

To: Foy, Matthew (US SSA) Subject: 43F763DA1 Capacitor

Hi Matt.

I spoke with my technical contact in regards to the Capacitor. Based off of the information you supplied me with.

The numbers on the Capacitor.

43F763DA1

1886733

161a8668p10

300v	dc	surge
2000	·fd	

non polar

Specs:

My technical contact was able to conclude.

This is an electrolytic capacitor, it does not contain pyronol (PCB) fluid

I hope this helps. If you need any more information on this or anything else, come to us at the Parts Group.

Regards,

Michelle

FW: Information requested from Holston Army Ammunition Plant

Thursday, November 12, 2015 9:14 AM

Subject	FW: Information requested from Holston Army Ammunition Plant
From	Pamela Franklin
To	Elizabeth Warner; Adrianne White; Stephanie N. Day
Sent	Tuesday, September 01, 2015 4:18 PM
Attachments	7
	PCB Storage Inspection



Pamela R Franklin | Environmental Manager Division of Solid Waste Management Toxic Substances Program William R Snodgrass Tennessee Tower 312 Rosa L Parks Ave., 14th Floor Nashville, Tennessee 37243 Office 615-532-0849

Fax 615-532-0849 Cell 615-306-1829

DSWM's Mission Statement: To protect health and improve environmental quality for all Tennesseans through responsive and effective oversight of waste management activities.

Tell us how we're doing! Please take 5-10 minutes to complete <u>TDEC's Customer</u> Service Survey

From: Crawford, Amy (US) [mailto:amy.crawford@baesystems.com]

Sent: Tuesday, August 18, 2015 2:42 PM

To: Pamela Franklin

Cc: Shelton, William (US); Vestal, Michael Mr CIV USA AMC

Subject: Information requested from Holston Army Ammunition Plant

*** This is an EXTERNAL email. Please exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email - OIR-Security. ***

Pam,

We did not regularly inspect the Building 122 cage area if nothing was stored there until March of 2012

when the electrical group added it to their preventive maintenance work orders. The linemen indicated lights stored in the cage area in the summer of 2013. The electrical department did some checking for me on that. They had stored the lights there in case the ballasts contained PCBs. Once they took them apart, they found 1 ballast that was questionable while the rest did not contain PCBs. The questionable one was taken to the drum we keep at Building 102 for PCB-containing light ballasts which are disposed of with Southeast Recycling in Johnson City.

We believe Transformer L495603PMLB was disconnected in 2011. An actual date could not be determined from Maintenance or Operations other than some time after January 31, 2011 when Boiler #2 was taken off-line for the baghouse project. There are no plans to re-start Electrostatic Precipitator #2, and it does not appear the transformer could be used for Electrostatic Precipitator #1. We will make plans to dispose of it.

A question came up about the labeling of Building 122. The cage area is the PCB storage area, not the entire building. So, would the requirement be just to label the cage area?

Thank you,

Amy E. Crawford
Environmental Affairs Specialist

Environmental Affairs Specialist BAE Systems Ordnance Systems Inc. Holston Army Ammunition Plant 4509 West Stone Drive Kingsport, TN 37660

Phone: 423-578-6417 Cell: 423-782-7871 Fax: 423-578-6329

amy.crawford@baesystems.com

ATTACHMENT VI MANIFEST AND CERTIFICATES OF DISPOASAL FROM Amy Crawford



Clean Harbors 1672 East Highland Road Twinsburg, OH 330-425-3825 Fax 330-487-5784 www.cleanharbors.com

MR. MICHAEL BRIGHT BAE SYSTEMS ORDINANCE SYSTEMS 4509 WEST STONE DRIVE KINGSPORT, TN 37660

MR.-BRIGHT:

Enclosed you will find signed copies of your shipping documents, which indicates acceptance of your waste at our Clean Harbors PPM facility in Twinsburg, OH.

004800260FLE RECEIVED 06/20/13

antanu S. Pahi

In accordance with 40 CFR 264.12(b), Clean Harbors PPM, LLC-Twinsburg Facility has the appropriate state and federal permits to accept, store, and/or treat the waste you shipped to our facility. This letter should be kept on file with your copy of the signed manifest.

We appreciate your business. If you have any questions, please contact me at (330) 425-3825.

Sincerely,

Shantanu S. Pahi

Facility General Manager

Enclosures



Clean Harbors Environmental Services 1875 Forge Street Tucker, GA 30084

www.cleanharbors.com

March 15, 2013

Paul Bailey Bae Systems Ordinance Systems 4509 WestStone Drive Kingsport, TN 37660

RE: Sales Order #: GA5020174

Dear Mr. Bailey:

Enclosed please find a signed copy of your shipping document, which indicates acceptance of your waste at our Clean Harbors PPM facility in Tucker, Georgia.

Shipping Document Number:

004800103FLE

Date Received:

3/11/13

In accordance with 40 CFR 264.12(b), Clean Harbors PPM, LLC-Tucker Facility has the appropriate state and federal permits to accept, store, and/or treat the waste you shipped to our facility. This letter should be kept on file with your copy of the signed manifest.

We appreciate your business. If you have any questions, please contact me at (770) 934-0902 x 6562.

Sincerely,

Carol Ramsay Compliance Guard

Enclosure(s)

1875 Forge Street, Tucker, GA 30084 ph: 770.934.0902 fax 770.496.5996

Holston Army Ammunition Plant 2013 PCB Annual Document Logle & Technology Creating a Safer, Cleaner Environment"



March 26, 2009

Attn: Ms. Karin Burnette BAE Systems Ordinance 4509 West Stone Drive Kingsport, TN 37660

RE: Job Control #: GA2269919-001

Dear Ms. Burnette:

Enclosed please find a signed copy of your manifest, which indicates acceptance of your material at our Clean Harbors PPM facility in Tucker, Georgia.

Manifest Document Number:

002196326FLE

Date Received:

03/24/09

If you have any questions, please contact me at (770) 934-0902 x 6562.

Sincerely,

Carol Ramsay

Records Administrator

Enclosure: manifest

1875 Forge Street, Tucker, GA 30084 ph 770.934.0902 fx 770.496.5996

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CLEAN HARBORS PPM, LLC--- PCB CONTINUATION SHEET

Each Unit Must Be Marked On Sheet With All Corrresponding Information Filled In
THIS PAGE MUST MATCH THE MANIFEST IT ACCOMPANIES

o, D G MANIFEST#

GENERATOR: Holston Army Ammunition Plant/BAE Systems Ordnance Systems Inc.

18 st 19 dmu	Unit Type	Unique Generator 10 Number	Serial Number	Material Description	Out of Service Date	Š	Transformer Type	S	\$	Empty of	
	Ş	495613	L495613PMLB	-	6/19/2008	2	Pa	2000	907	F (82 gal)	>500 ppm
	<u></u>	495622	L495622PMLB	⊩	3/11/2009	45	Pad	2000	307	F (82 gal)	>500 ppm
	S	495625	L495625PMLB	}	3/11/2009	£	Pad	2000	907	F (82 gal)	>500 ppm
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				B=BUSHING O=OIL	110=0				PAD		
:CON	CONTAINER METAL	HAL		C=CAPACITOR T=TRANSFORMER	RT=TRANSF	ORME	ικ		SUBSTATION	NO N	

CONTAINER WOOD

O=DEBRIS

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Hoiston Army Ammunition Plant 2013 PCB Annual Document Log

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Clean Harbors PPM LLC 1875 Forge Street Tucker GA, 30084 GAD980839187 (770) 934-0902

CERTIFICATE OF DISPOSAL

Generator Facility Name:

Bae Systems Ordinance Systems

62.5

GA2260922

Generator Address:

4509 West Stone Drive Kingsport, TN, 37660 Sales Order#: Date Received:

3/24/2009

Generator Contact Name:

Generator EPA ID:

TN5210020421

Load #:

311959

Manifest #:

002196326FLE

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Original CH ID #	Date Removed From Service		Unique ID/ Serial #	Material Description	Disposal Oate	Method of Disposal	Disposal Facility
17914293	8/19/2008	CM	L495613PMLB	016	6/19/2009	Incineration	Deer Park, TX Facility
17914294	3/11/2009	CM	L495822PMLB	Misc. Electrical Equipment, Greater Then 500PPM PCB	6/23/2009	Decommisioned	PPM - Coffeyville, KS
17914295	3/11/2009	CM	L495625PMLB	Misc. Electrical Equipment. Greater Than 500PPM PCB	6/23/2009	Decommisioned	PPM - Coffeyville, KS

UNDER CIVIL AND CRIMINAL PENALTIES OF LAW FOR THE MAKING OR SUBMISSION OF FALSE OR FRAUDULENT STATEMENTS OR REPRESENTATIONS (18 U.S.C. 1001 AND 15 U.S.C. 2615), I CERTIFY THAT THE INFORMATION CONTAINED IN OR ACCOMPANYING THIS DOCUMENT IS TRUE, ACCURATE, AND COMPLETE. AS TO THE IDENTIFIED SECTION(S) OF THIS DOCUMENT FOR WHICH I CANNOT PERSONALLY VERIFY TRUTH AND ACCURACY, I CERTIFY AS THE COMPANY OFFICIAL HAVING SUPERVISORY RESPONSIBILITY FOR THE PERSONS WHO, ACTING UNDER MY DIRECT INSTRUCTIONS, MADE THE VERIFICATION THAT THIS INFORMATION IS TRUE, ACCURATE, AND COMPLETE.

Authorized Agent

Tuesday, June 30, 2009

Date

Page 1 of 1



Clean Harbors Deer Park, LLC 2027 Independence Parkway South La Porte TX, 77571 TXD055141378 (281) 930-2300

CERTIFICATE OF DISPOSAL

Generator Facility Name:

Bae Systems Ordinance Systems

Generator Address:

4509 West Stone Drive Kingeport Tite, 37860.

Sales Order#:

LV3698937

Date Received:

8/22/2011

Generator Contact Name:

Generator EPA ID:

TN5210020421

Load #:

334888

Manifest #:

004472699FLE

CH ID #

Original Date Removed Unit From Service Type

Serial # / **Customer ID**

Material Description Disposal Date

Method of Disposal

Disposal Facility

24816695

8/11/2011

DM

248166957

Capacitor For Incineration

8/30/2011

Incineration

Deer Park, TX Facility

Under Civil and Criminal Penalties of Law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Authorized Agent

Thursday, September 08, 2011

Date

Page 1 of 1



Clean Harbors PPM LLC 1875 Forge Street Tucker GA, 30084 GAD980839187 (770) 934-0902

CERTIFICATE OF DISPOSAL

Generator Facility Name:

Bae Systems Ordinance Systems

Generator Address:

4509 West Stone Drive

Kingsport, TN, 37660

Sales Order#:

GA5062006

Date Received:

3/11/2013

Generator Contact Name:

Generator EPA ID:

TN5210020421

Load #:

Manifest #:

004800103FLE

CH ID #

Original Date Removed Unit From Service Type

Serial #/ **Customer ID**

Material Description Disposal Date

Method of Disposal

Disposal Facility

30000890

2/25/2013

004800103FLE / PCB Liquids For Dechlorination (<500PPM)

3/12/2013

Oil Reclamation

PPM - Tucker, GA Facility

Under Civil and Criminal Penalties of Law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Authorized Agent

Tuesday, April 02, 2013

Date

Page 1 of 1

2700 g/s

9205 Kgs

Hoiston Army Ammunition Plant

2013 PCB Annual Document Log

Page 26



Clean Harbors PPM LLC 1672 East Highland Road Twinsburg OH, 44087 OHD986975399 (330) 425-3825

CERTIFICATE OF DISPOSAL

Generator Contact Name:

Sales Order #:

GA5473767

Generator Facility Name:

Bae Systems Ordinance Systems

Date Received:

6/20/2013

Generator Address:

4509 West Stone Drive

Kingsport, TN 37660

Generator EPA ID:

TN5210020421

Manifest#:

004800260FLE

Line # Profile/Description

Disposal Method of Disposal Disposal Facility

PPMD80T TRANSFORMER <50 ppm FOR RECLAMATION

Date 7/19/2013

Decommission

Twinsburg, OH Facility

Under Civil and Criminal Penalties of Law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2515), I cartify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I cartify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Name:

Title:

VP Environmental Applications

Date:

Tuesday, July 30, 2013

Page 1 of 1

Hoiston Army Ammunition Plant 2013 PCB Annual Document Log Page 29

ATTACHMENT VII PCB ANNUAL DOCUMENT LOGS FROM Amy Crawford

PM / Inspection Checklist

Nex	t Due Date	7/15/2009	Last Complete 4/1	5/2009	PM Comp	oletion Date:	7/11/09		Status Active	Hou	rs
	Due every	3 mths		Per	son Assigi	ned	27 130		Procedur	e STF	
1	PM Group	Lineman, Fa	acility Power	P)	I Category	Inspection				9030	
	Notes	7/28/08 - L4 8/4/08- THIS	on Report - 1/3/08 - 5 95613PMLB - Moved S PM MUST BE COM 95625PMLB & L4956	to Bldg #1 PLETED V	22, PCB SI VITHIN THE	orage, taken E FIRST MON	NTH OF EACH QU				
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s	Check for e (NON PCB	dition of equipa quipment in u)	annance concern divergence	200 200 O U	· / · · · · · · · · · · · · · · · · · ·						
2		ormer (71461	126)						STF 9030	S/N 7146126	
			nent/leaks or filming use								
3		former (F962			e e e e e e e e e e e e e e e e e e e	**************************************	ecces e e e communicación en en estados en		STF 9030	S/N F962786	· · · · · · · · · · · · · · · · · · ·
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4	Check PCE Check cond	dition of equipa equipment in u	ment/leak or filming						STF 9030	S/N PLR49861	
5	an en 18 a de la companya en esta en e	in a company of the contract o	or (L495599PMLB) 21:	iO ILbs					STF 9030	3/N L495599PM	LE ,
		diton of equipnequipment in a	nent/leaks or filming use								Sant .
6	Transform	er, Precipitat	or (L495603PMLB) 21:	50 Lbs					STF 9030	3/N L495603PM	LF
		nqiupe to notit uni tnemqiupe	nent/leaks or filming use								****
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			nent/leaks or filming use								Sandifficació
10		. ,	MCC DOOR)	- contrated con-			.0000.0	ne alexano ne na Alexando	STF 9030	ID# 0046	and the second
		l Logo diton of equipa equipment in u	nent/leaks or filming use								***************************************
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14	•	B201 Baseme	ent	. we weeks 500	.,	enangemannennennen e.e.		***************************************	STF 9030	HOL 60835	
olv			ment/leak or filming se		· · · · · · · · · · · · · · · · · · ·						

PM / Inspection Checklist

15 Capacitor \$201 Basement
Check PCB Logo
Check condition of equipment/leak or filming
Check for equipment in use

STF 9030

HOL 60834



Tuesday, June 30, 2009

Issue a work order if more than 30 minutes of maintenance repair time is required as a result of an inspection.

PM / INSP#	: 123 I	Bullding Area B-G P	A Description :	PCB Quarterly inspection				
Next Due Date	10/1/2009	Last Complete 7/1/2009	PM Comple	ition Date: <u>/////</u>	<u>グ</u> Status	Active	Hours	
Due every	3 mths		Person Assigne	d burton		Procedure	STF	
PM Group	Lineman, Faci	lity Power	PM Category	Inspection			9030	
	Per Inspection 7/28/08 - L495 8/4/08- THIS F	i Report - 1/3/08 - 5-A, 11- 5613PMLB - Moved to Bid PM MUST BE COMPLETE	A, 12-A - NON Pog #122, PCB Stor ED WITHIN THE	СВ				
m Descriptio	n		***************************************	······································	Pro	cedure	Equip#	Comp
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	Capacitator (MC	C DOOR)	······		Si	F 9030	ID# 0046	
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AND	B201 Basement	**************************************	?.	·	ST	F 9030	HOL 60835	jarra da
	3 Logo dition of equipme equipment in use	ent/leak or filming						***************************************

Issue a work order if more than 30 minutes of maintenance repair time is required as a result of an inspection.

nursday, October 01, 200

Page 1 of 2

PM / Inspection Checklist

15 Capacitor B201 Basement

Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use STF 9030

HOL 60834



nursday, October 01, 200

Issue a work order if more than 30 minutes of maintenance repair time is required as a result of an inspection.

Page 2 of 2

Ordnance Systems Inc.

Holston Army Ammunition Plant 4509 West Stone Drive Kingsport, TN 37660-9982

EPA Identification Number: TN 5210020421

PCB Annual Document Log January 1, 2008 – June 30, 2009

Prepared by: Environmental and Electrical Departments

Submitted by: Environmental Department

Ordnance Systems Inc.

PCB Transformer Inspection Example Checklist

Nex	d Due Data 10/1/2009 Last Complete 7/1/2009 PM Completion Data:	Status Active	Hour	8
	Due every 3 miles Person Assigned	Procedur	s STF	
	PM Group Uneman, Facility Power PM Category Inspection		9030	
	Notes: Per inspection Report - 1/3/08 - 5-A, 11-A, 12-A - NON PC8 7/26/08 - L495613PMLB - Moved to Bidg #122, PCB Storage, taken off this PM. 8/4/08-THIS PM MUST BE COMPLETED WITHIN THE FIRST MONTH OF EACH QUARTER. 3/11/09 - L495625PMLB & L495622PMLB removed from Bidg 200 & storad at Bidg 122			
tem	Description	Propedure	Equipsi	Comp
1	5-A Transformer PCB (3184988) Check PCB Lego Check condition of equipment/leak or filming Check for equipment in use (NON PCB)	STF 9030	SAN 3164568	rettere en
2	8-A Transformer (7448126) Check PCB Logo Check condition of equipment/feable or filming	STF 8636	Sps 7148126	
3	Check For equipment in use 11-A Transformer (F862786) Check PCB Logs Check condition of equipment/feek or filming Check for equipment in use	STF #030	388 7982788	
4	(NCON PCS) 12-A Transformer (PLR49881) Check PCS Logo Check roadition of equipment/leak or filming Check for equipment in use (MCN PCS)	S7F ¥83D	SAN PLP45851	g-10
5	Transformer, Precipitator (LA80599PRALS) 2150 IL.be Check PCB Lugo Check condition of equipment/leake or filming Check For equipment in use Pyranof Fulls	STF 9030)n L495500744.	£
•	Transformer, Precipitator (L486803PMLB) 2158 Libe Check PCB Logo Check condition of opplymentificates or firming Check for equipment in use Pyranol Public Part Field	STF 9030	ON LASSINISPINI	£
•	S.A. Simall Cappechator (MCC DOOR) Check PCB Logg Check condition of septimentificates or filming Check foreign and in use	STF #030	ID# 0046	
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1	7-A Sanati Cegaethater (MCC DOOR) Check PCB Logo Check condition of equipment testis, or filming	SIF 9030	ISS 0047	************
2	Check For equipment in use 29-A Basel Cospectator (RECC DOOR) Check POEL Logs Check POEL and Copicator (Receipt of Copicator) Check POEL and Copicator of equipment Resease or filming	91F #030	ID# 0050	
3	Check For equipment in use Capecitors (6) (2006) Check POB Logo Check condition of equipment/leak or filming	STF 9030	HOL 30961	T.
ģ	Check for equipment in use Capacitor 8201 Basement Check PCB Lago Check ordifion of equipment/fleak or Simbleg Check condition of equipment/fleak or Simbleg Check for equipment in use	STF 9030	NXL 80808	1,

Holston Army Ammunition Plant 2008 PCB Annual Document Log

Ordnance Systems Inc.

PM / Inspection Checklist
15 Capacitor 8201 Seasonest
Check PGB Logo
Check PGB Logo
Check and confidence of confidence of singleCheck for applicated in uses

STF 9030

HOL 60834

Monday, July 27, 2009

leasur a work order if more than 30 minutes of maintanance repair time is required as a result of an inspection.

Page 2 of 2

Holston Army Ammunition Plant 2008 PCB Annual Document Log 2



Ordnance Systems Inc.

2008 PCB Transformer Quarterly Inspections

	PM/INSP#: 123 Building Area 8-G Pi	H Description: PCB Quarterly inspections		
Ne	xt Due Date 4/4/2008 Lest Complete 1/4/2008	PM Completion Date: <u>3-17-08</u>	Status Active	Hours
	Due every 3 mitte	Person Assigned <u>R.P. Dö. 191</u>	Procedure	STF
	PM Group Lineman, Facility Power	PM Category Inspection		9030
	Notes Per Inspection Report - 1/3/08 - 5-A, 11-	A, 12-A - NON PCB		
tem	Description		Procedure	Equip# Com
1	5-A Transformer PCB (3164568)		STF 9030	S/N 3164568
	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use (NON PCB)			
2	8-A Transformer (7148125)		STF 9030	S/N 7146126
	Check PCS Logo Check condition of equipment/leaks or filming Check For equipment in use			la vilva
3	11-A Transformer (F982786)		STF 9030	SM F982786
	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use (NON PCB)			
4	12-A Transformer (PLR49861)		STF 9030	SN PLR49881
	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use (NON PCB)			
ŝ	Transformer, Precipitator (L4959999MLB) 2150 ILbs	The second secon	STF 8030	I/N L485599PMLE
	Check PCB Logo Check condition of equipmentifiests or filming Check For equipment in use Pyranol Right			: 00 ess
8	Transformer, Precipitator (L496803PMLB) 2150 Libe Check PCB Logo Chack condition of equipment/losks or filming		STF 9030 :	S/N L485603PMLE 🔫
	Check For equipment in use Pyranci Ruid			
7	Transformer, Precipitator (L493613PMLB) 2150 Lbs	The second control of second Abstract Control	STF 9030	SM L495813PMLE ,
	Check PCB Logs Check condition of equipment/leaks or liming Check For equipment in use Pyranot Fluid			1000 - 3 6
ġ	Transformer, Precipitator (L495622PMLB) 2150 ibs	main to harmonismate at his said and the said	STF 9030	L495622PMLB
	Check PCB Logo Check condition of equipment/lesks or filming Check For equipment in use Prisonal Ruid			and,
8	Transformer, Precipitator (L49362SPSILB) 2150Lbs	Accompanies of the control of the co	STF 9080	SAN LABBEZBPALE
	Check PCB Logo Check condition of equipment/leaks or fitning Check For equipment in use Pyrapol Risk			Secret
10	5-A Small Capacitator (MCC DOOR)	· · · · · · · · · · · · · · · · · · ·	STF 9030	ID# 0045
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use			
11	6-A Small Capacitator (MCC DOOR)		STF 9030	109 0046
	Check PCB Logo Check condition of equipment/seaks or filming Check For equipment in use			0
12	7-A Small Capacitator (MCC DOOR)	sitional as a gr	STF 9030	ID#0047
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use			~. ll

Ordnance Systems Inc.

PM	/ Inspection Checklist			
13	20-A Smell Capacitator (MICC DOOR)	STF 9030	ID# 0050	5 73
***************************************	Check PCB Lago Check condition of equipment/heals or filming Check For equipment in uses			ال مست
14	Capacitors (6) (20001)	877° 9630	MUS. 308851	100
***************************************	Check PCB Logs Check condition of equipment/lesk or Bring Check for applicment in use			
15	Capacitor B201 Sectionari	6TF 9030	HOL 60835	
	Check PCS Logo Check condition of equipment/less or fitming Check for equipment in use			s
16	Capacitor B201 Bassament	STF 9030	HCIL 60834	
o no skolo o	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use			

Thursday, March 13, 2008 Issue a work order if more than 30 minutes of maintenance repair time is required as a result of an inspection.

Page 2 of 2

Ordnance Systems Inc.

	PM/INSP#: 123 Building Area B-G I	M Description: PCB Quarterly Inspections			
Nex	d Due Date 6/17/2008 Last Complete 3/17/20	28 PN Completion Date: 0/15/U/	Status Active	Hour	8
	Due every 3 miths	Person Assigned 3 Cr 1/12.	Procedure	STF	
	PM Group Lineman, Facility Power	PM Category Inspection		9030	
	Notes Per inspection Report - 1/3/08 - 5-A. 1				
	***************************************	ra, ien-non (vo	***************************************		
tem	•		Procedure	Equips	Comp
1	5-A Transformer PCB (3184568)		STF 9030	SAN 3184568	
	Chack PCS Logo Chack condition of equipment/leak or filming				
	Check for equipment in use				
2	(NON PCB) 8-A Transformer (7146128)		STF 9030	SAN 7146126	
*	Check PC8 Logo		G11 3030	CS13 1 1401KO	L
	Check condition of equipment/feets or filming				
3	Check For squipment in use 11-A Transformer (FBB2755)	·	STF 8030	SN F982786	and the second
20	Check PCB Loco		an see	Pare Law Case	Lile
	Check condition of equipment/leak or filming	.			
	Oheok for equipment in use (NON PCB)	8			
4	12-A Transformer (PLPASSET)		STF 9030	SAI PLRIGOST	——————————————————————————————————————
	Check PCB Logo		•		مييكسة
	Check condition of equipment/leak or filming Check for equipment in use				
onorioon	(MON PCB)		tina anno 18 to tallo i supportur no compresso conservações per en espa	v.t	
\$	Transformer, Precipitator (L495990PMLS) 2150 iLb	* :	STF 9030	IN LABOURNA	*II
	Check PCB Logo Check condition of equipment/selss or filming	·			
	Check For equipment in use				
	President		ADDRESS ARABA	ACCOM CAMBONS	
8	Transformer, Precipitator (L495503 PMLB.) 2150 Lb Check PCB Logo	•	STF 9030	VN L495603PM	
	Check condition of equipment/leaks or filming				
	Check For equipment in use Pyranci Fuid				
7	Transformer, Precipitation (LA95613PMLB.) 2150 Lb	• • • • • • • • • • • • • • • • • • •	STF 9030	IN L490813FNA	Œ,
	Check PCB Logo				- Breeze
	Check condition of equipment/lee/is or filming Check For equipment in use				
	Pyranol Plaid	8			
8	Transformer, Precipitation (LASSAZZPMLB) 2100 ibs		STF 9030	L485622PMLB	77
	Check PCB Logo Check condition of equipment/leads or filming	×			2000
	Check For equipment in use	•			
8	Pyranci Pusi Transformer, Precipitator (LASS/25PMLB) 2150Lbr		With Anna .		
*	Check PCB Logo	· ·	STF 9030	UN LABSAZSPAR	
	Check condition of equipment leads or fitning	}			
	Check For equipment in use Pyrenci Ruid				
10	8-A Small Capacitator BBCC DOOR)	**************************************	STF 9030	ID# 0045	~~~
	Check PCS Logo				مينيةسا
	Check condition of equipment/leaks or filming Check For equipment in use				
11	6-A Small Capacitator (MCC DOOR)	erakerania manistra m Tanàna manistra mani	STF 9030	ID# 0046	7
	Check PCB Logo				الم
	Check condition of equipment/leaks or faming Check For equipment in use				
12	7-A Small Capacitator (MCC DOOR)	***************************************	STF 8030	(04 0047	
_	Check PCB Logo			13011 1010173	Ų.,
	Chack condition of equipment/leaks or liming				
	Check For equipment in use	**************************************	Mr. 1.144 A. 1440 (00 100 (00 (***************************************	

Holston Army Ammunition Plant 2008 PCB Annual Document Log

Ordnance Systems Inc.

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Tuesday, June 17, 2008

Issue a work order if more than 30 minutes of maintenance repair time is required as a result of an inspection.

Page 2 of 2

Ordnance Systems Inc.

	i / iiiaþe	·······	Checklist	***************************************		***************************************	~KA	` کی	
ş	wa / Inspe :	123	Building Area B-G P	M Description: Po	B Quarterly Inep	ections			*******
Nex	t Due Date 7	/18/2008	Last Complete 6/18/200	8 PM Completio	n Date;	5°: 425	Status Active	Hous	18
	Due every 3	enthe.		Person Assigned	Burlon		Proced	ure STF	
ı	PM Group Li	neman, Fa	citity Power	PM Category Ins	pection			9030	
	Notes P	er Inspectio	n Report - 1/3/08 - 5-A, 11	-A, 12-A - NON PCB					
8 <i>T</i> 11	Description		•••••••••••••••••••••••••••••••••••••••	***************************************	· · · · · · · · · · · · · · · · · · ·	***************************************	Procedure	Equip8	Con
1	5-A Transford Check PCS Lo Check condition Check for equi (NON PCS)	xgo an of equipm	entifeet or filming				STF 9030	S/N 3164568	4
2	8-A Transform Check PCB Lo Check condito Check For equ	igo n of oquipes	ent/leades or filming	***************************************	***************************************		51F 9030	SAV 7146126	Q
3	11-A Transfor Check PCB Lo	nner (F962) go n of equipn	86) eńskest or filming				577 9030	SAN 7982786	
4	12-A Transfor Check PCB Lo	go n of squipt	entitesk or filming				STF 9030	S/N PLR49881	ΙŢ
\$	Check PCB Lo	go n of equipm	r (L.4955966PANLO) 2190 (Lba entifessia or Simira; sa		2	***************************************	STF 9000	3/N L495589/PM	ur.
	Check PCB Lo Check condito Check For equ	go n of equipm ipment in u	***************************************	Plas		<i>***</i>	811.8030	3N L435503P18	
	Chack PCB Lo	igo n of aquipm	entressa or filming	moved to	PCB	Jones	e stan	%;	
8	Chack PCB Lo	go n of equipm	r (L.495622PBBLB) 2190 Bre ent/lepis or filming le				STF 9030	L495822PWLE	י ד
)	Check PC8 Lo	igo n of equipm	((.4936259941,0) 21306.ba endlesde or Mining e				STF 9030	3N L485825P14	<u>I</u>
0	Check For equ	go n of equipm ignment in u	en/leate or filming te				STF 9030	ID# 0045	:3
11	6-A Small Cap Check PCB Lo Check condition Check For equ	go n of equipm	erificais or filming				STF 9030	ID# 0046	Ī
2	7-A Small Cap Check PGB Lo	xecitator (ili vgo n ol equipm	CC DOOR) entifests or filming			\$50000(\$5000; 0.00; 16000000000	81F 9030	ID# 0047	

Holston Army Ammunition Plant 2008 PCB Annual Document Log

Ordnance Systems Inc.

rw	i / Inspection Unecklist			
13	29-A Small Capacitator (RCC DOOR)	STF 9030	ID# 0050	Sure Control
	Check PCB Logo			
	Check condition of equipment/leaks or likeling			
************	Cheek For equipment is use			
14	Capacitors (6) (30001)	STF 9030	HOL 30861	
	Check PCB Logo			
	Check condition of equipment hack or flening			
	Clear by equipment in use			COLUMN TO A COLUMN
16	Copacitor B201 Basement	STF 8030	HOL 80835	
	Check PCB Logo			التصل
	Check contillion of equipment/look or filming			
200000-200-200	Check for equipment in use			ennos e electros
18	Capacitor 8201 Busannan	STF 9030	HOL 80834	T.)
	Check PCB Lago			1
	Check condition of equipment/leak or filming			
	Check for equipment in use	oni		

Page 2 of 2

Thursday, July 24, 2008

lasse a work order if more than 30 minutes of maintenance repair time is required as a result of an inspection.

Ordnance Systems Inc.

	PM / INSP#: 123 Building Area B-G PM Description: PCB Querterly inspections		
Ne	xt Due Date 10/15/2008 Last Complete 7/28/2008 PM Completion Date:	Status Active	Hours
	Due every 3 mths Person Assigned 3	Proce	dure STF
	PM Group Lineman, Facility Power PM Category Inspection		9030
	Notes Per Inspection Report - 1/3/08 - 5-A, 11-A, 12-A - NON PCB 7/28/08 - L495613PMLB - Moved to Bidg #122, PCB Storage, taken off this PM. 8/4/08- THIS PM MUST BE COMPLETED WITHIN THE FIRST MONTH OF EACH QUARTER.		
tem	Description	Procedure	Equip# Con
1	S-A Transformer PCB (3164588)	STF 9030	S/N 3164568
	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use (NON PCB)		ξ. .%
2	8-A Transformer (7148128)	STF 9030	S/N 7146126
	Check PCB Logo Check condition of equipmentifiesks or filming Check For equipment is use		t;
3	11-A Transformer (F962786)	STF 9030	S/N F962786
	Check PC9 Logo Check condition of equipmentifiesk or filming Check for equipment in use (NON PC9)		lø
4	12-A Transformer (PLR48881)	STF 9030	9N PLR49881
	Chack PCS Lego Chack condition of equipmentitiesk or filming Chack for equipment in use (NON PCS)		
5	Transformer, Precipitator (L495599PALB) 2150 ILIns	STF 9030	30 L495598PMLE [
	Check PCB Logo Chack condition of equipment/leaks or filming Check For equipment in use Pyranot Falsit		(A lens
8	Transformer, Pracipitator (L485803PNLB) 2150 Lbs	STF 9030	3N L495603PMLE
	Check PCB Logo Check condition of equipmentificate or faming Check For equipment in use Pyranot Fluid		فسكم
?	Transformer, Precipitator (L415622PMLB) 2150 ibs	\$1F 9030	L495622PML8
	Check PCB Logo Check condition of equipment/haks or filming Check For soutpment in use Pyranot Pakit		:£
8	Transformer, Precipitator (LASASSPALB.) 2190Lbs	STF 9030	3N L496625PMLE [
	Chack PCB Logo Chack condition of aquipment/leaks or firming Chack For equipment is use Pyranol Fald		8 mariel
8	5-A Small Capacitator (MCC DOOR)	STF 9030	IO# 0045
	Check PCB Logo Check conditor of equipment/leaks or firming Check For equipment in use		·
0	6-A Small Capacitator (IXCC DOOR)	STF 9030	D# 6046
	Check POS Logo Check condition of equipment/levits or firming Check For equipment in use	10:10	<i></i>
1	7-A Small Capacitator (MCC DOOR)	STF 9030	ID# 0047
	Check PCB Logo Check condition of equipment/leaks or liming Check For equipment in use		L y. e

Monday, October 13, 2008 Issue a work order if more than 30 minutes of maintenance repair time is required as a result of an inspection.

Page 1 of 2

Ordnance Systems Inc.

F N	// / Inspection Checklist 20-A Small Capecitator (BECC DOOR) Check PCB Logo Check condition of equipment/leaks or Binling Check To equipment in case	STF 9030	ID₩ 0050	
13	Capacitors (8) (30961)	STF 9030	HOL 30981	
	Check PCB Logo Check condition of equipment/lesk or flenkng Check for equipment in use			
14	Capacitor B201 Basement	STF 9030	HOL 60835	
	Check PCB Lago Check condition of equipment/lesk or firming Check for equipment in use		27. 72. 247.	
15	Capacitor B201 Basameni	STF 9030	HOL 80834	
	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use			···V

Monday, October 13, 2008 Issue a work order if more than 30 minutes of maintenance repair time is required as a result of an inspection.

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Ordnance Systems Inc.

PCB INVENTORY – JUNE 2009 HOLSTON ARMY AMMINITION PLANT

		200, boiler#1	200, boiler#2	8A, elect Rm	11A	12A	5A	8A, elect. Rm.	201,basement	201, basement	5A, MCC	6A, MCC	7A, MCC	20A, MCC
	PCB CONC. (ppm)	>500	>500	>500	Previously 158 prior to PCBX; Reclassified as non-PCB (10 ppm PCBs)	63	Previously 54 ppm prior to PCBS; Reclassified as non-PCB (0.71 ppm PCBs)	>500	>500	>200	>500	>500	>500	>500
	VOLUME (Gals.)	82 gal	82 gal	258 gal	610 gal	3244gal	423 gal	9 gal	ţ.	ţċ	QN	2	£	9
Z S	TE: Ye	Pyranol	Pyranol	Pyranoi			:	Pyranol	Pyranol	Pyranol	Pyranol	Pyranol	Pyranol	Pyranol
	CLASSIFICATION	Full PCB	Full PCB	Full PCB	Contaminated PCB; Unit reclassified as non-PCB	Contaminated PCB; Being reclassified – requires sampling after in service for 90 days. Unit requires upgrade before being brought online; dependent upon funding availability.	Contaminated PCB; Unit reclassified as non-PCB	Large	Small	Small	Small	Small	Small	Small
	SERIAL	L495599PMLB	L495603PMLB	7146126	F962786	PLR49861	3164568	HOL#30961	HOL#60835	HOL#60834	ID#0045	ID#0046	ID#0047	0900#GI
	ე შ	ድ	エ	ፎ	보	Ħ	Ħ	ర	ర	ర	×	×	×	×
		Transformer	Transformer	Transformer	Transformer	Transformer	Transformer	Capacitor	Capacitor	Capacitor	SM Capacitor	SM Capacitor	SM Capacitor	SM Capacitor

ND = Not detectable

Transformers 5-A, 11-A and 12-A underwent PCBX decontamination for PCBs in July 2006. To complete the reclassification process, a sample must be collected and analyzed for PCBs after the transformer is in operation for 90 days. Reclassification samples have been collected from 5-A and 11-A as described above. Transformer 12-A is in need of electrical upgrades prior to being brought back online. A reclassification sample will be collected from transformer 12-A 90 days after the unit is operational.

Holston Army Ammunition Plant 2008 PCB Annual Document Log

PCB ITEMS IN STORAGE JANUARY 2008 – June 2009 HOLSTON ARMY AMMUNITION PLANT

BAE SYSTEMS

Ordnance Systems Inc.

	Comments	Shipped offsite 07/23/08	Shinned	offsite 03/23/09	
	Ę.	¥	≦	ž	ž
		>-	Ž	¥	£
	70tal Kg.	200.6	907.2	907.2	907.2
Z	Vol. (Gals.)	6.25	82 gal	82 gal	82 gal
Ž	Stored at Bidg.	B-122	B-122	B-122	B-122
	Date Stored	8/2/07	6/19/08	3/11/09	3/11/09
HOLSTON ARMY AMMUNITION PLANT	Date Removed	8/2/07	6/19/08	3/11/09	3/11/09
Ž	Removed From	General facility power distribution; discovered PCB after testing prior to disposal.	200, boiler#2	200, boiler#3	200, boiler#3
	Serial No.	6833941	L495613PMLB	L495622PMLB	L495625PMLB
	Equipment Type	5 KVA Transformer, GE	Transformer	Transformer	Transformer

Ordnance Systems Inc.

PCB ITEMS DISPOSED

JANUARY 2008 – June 2009 HOLSTON ARMY AMMUNITION PLANT

Tipment X	Serial No.	Removed From	Date Removed	Date Stored	Stored Biggs	Vol. (Gals.)	10 Jan 19	Shipped	Date Disposed
5 KVA Transformer; GE	6833941	General facility power distribution; discovered PCB after testing prior to disposal.	8/2/07	8/2/07	B-122	6.25	200.6	7/23/08	8/21/08*
Transformer	L495613PMLB	200, boiler#2	6/19/08	6/19/08	P-122	82 gal	907.2	3/23/09	6/13/03
Transformer	L495622PMLB	200, boiler#3	3/11/09	3/11/09	B-122	82 gal	907.2	3/23/09	6/23/09
Transformer	L495625PMLB	200, boiler#3	3/11/09	3/11/09	B-122	82 gal	907.2	3/23/09	6/23/09
Section of the last of the las									

*Reported to EPA transformer was not disposed of within one calendar year after removal.

Ordnance Systems Inc.

Holston Army Ammunition Plant 4509 West Stone Drive Kingsport, TN 37660-9982

EPA Identification Number: TN 5210020421

PCB Annual Document Log January 1, 2010 – December 31, 2010

Prepared by:

Environmental and Electrical Departments

Submitted by: Enviro

Environmental Department



Ordnance Systems Inc.

PCB Transformer Inspection Example Checklist

PM / Inspection Checklist

PM / INSP#: 123 Building Area B-G PM Description: PCB Quarterly Inspections

Next Due Date 7/21/2011 Last Complete 4/21/2011 PM Completion Date: Status Active Hours

Due every 3 mths Person Assigned Procedure STF

PM Group Lineman, Facility Power PM Category Inspection 9030

Notes Per Inspection Report - 1/3/08 - 5-A, 11-A, 12-A - NON PCB

7/28/08 - L495613PMLB - Moved to Bldg #122, PCB Storage, taken off this PM.

8/4/08- THIS PM MUST BE COMPLETED WITHIN THE FIRST MONTH OF EACH QUARTER.

3/11/09 - L495625PMLB & L495622PMLB removed from Bldg 200 & stored at Bldg 122

7/14 /2010 - Removed 3164568, F962786, PLR49861, all non-PCB

7/22-2010 - Added PLR49861 back to PM, per Amy

	INEXTENSION PRODUCT LINESCOT DOCK TO FINI, I	sci runy				
Item	Description	₹19 - ₩ 1	₩ ¥	Procedure	Equip# (Comp
1	8-A Transformer (7146126)			STF 9030	S/N 7146126	
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use				į	۶
2	12-A Transformer (PLR49861)	5.6 manifestoria)> +************************************	STF 9030	S/N PLR49861	· .e com
	Check PCB Logo Check condition of equipment/lesk or filming Check for equipment in use					
3	Transformer, Precipitator (L495399PMLB) 2150 iLbs	- x000 7 7 9	8 43 is	STF 9030	3/N L495599PMLE	e [*]
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use Pyranol Fluid					Carrier au
4	Transformer, Precipitator (L495603PMLB) 2150 Lbs	'a' 's o a sec o's	Control to the deposit of	STF 9030	3/N L495603PMLE:	
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use Pyranol Fluid	W 2 M/M	powoumi cha		**************************************	
5	5-A Small Capacitator (MCC DOOR)	44 0 48 46.	and editional in the	STF 9030	IO# 0045 r	ama no + il
8	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use 6-A Small Capacitator (MCC DOOR)	01.30 X	্তাক কলেব ।	07F 0000	*	
٠	Check PCB Logo			STF 9030	ID# 0046	and in
	Check condition of equipment/leaks or filming Check For equipment in use	***			·	
7	7-A Small Capacitator (MCC DOOR)			STF 9030	ID# 0047	
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use					
8	20-A Small Capacitator (MCC DOOR)	, ,	aidean air	STF 9030	ID# 0050	
	Check PCB Logo Check condition of equipment/feeks or filming Check For equipment in use					
9	Capacitors (6) (30981)	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	100km a 20	STF 9030	HOL 30961	É
	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use			J	110000001	* ***** ·
10	Capacitor B201 Besement	6# 1 v 6w	an, ma min a	STF 9030	HOL 60835	000
	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use			AN SUUU	sion addag	
11	Capacitor 8201 Basement	**	Y /	STF 9030	HOL 80834	
	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use				11 4r. 2013 4	W &
	* * * * * * * * * * * * * * * * * * *	* .*	2 2 wyw	4	· .	

Monday, July 11, 2011

Issue a work order if more than 30 minutes of maintenance repair time is required as a result of an inspection.

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Hoiston Army Ammunition Plant 2010 PCB Annual Document Log 2



Ordnance Systems Inc.

2010 PCB Transformer Quarterly Inspections

P	M / INSP#	: 123	Building Are	a B-G P	M Description :	: PCI	B Quarterly inspection			*	
exi	Due Date	1/2/2010	Last Complet	• 10/2/200	9 PM Comp	ietion	Date: 1/24/	(^ /	Status Active	Hours	
	Due every	3 mths			Person Aselgr	ned	Burball	tudoun	Procedun	• STF	
•	M Group	Lineman, Fa	dilty Power		PM Category	insp	ection		ed.	9030	
á.	Notes	7/28/08 - L49 8/4/08- THIS	35813PMLB - N PM MUST BE	loved to Bid COMPLETI	ED WITHIN TH	orage, E FIRS	taken off this PM. T MONTH OF EACH 200 & stored at Bidg 1		*	•	
1	Descriptio	n				***************************************			Procedure	Equipë	Comp
	Check PCE Check cond	dition of equipn equipment in us	neni/leak or filmin	g		*			STF 9030	S/N 3164568	
, in	W. Consideration Consideration	ormer (71461	26)		······································	***********	***************************************	***************************************	STF 9030	S/N 7146126	7
			ent/leaks or filmli se	ng							LX
	Check PCE Check cond	dition of equipn equipment in us	nent/leak or filmin	9	9				STF 9030	S/N F962786	[5Z
••••	12-A Trans	sformer (PLR	19861) •		······································		***************************************	***************************************	STF 9030	S/N PLR49861	17
-	Check for a (NON PCB	dition of equipm equipment in us)	*	,			* 				L
	Check PCE Check cond	i Logo dilon of equipm equipment in u	r (L495599PML) ent/leaks or filmli se				,	8	STF 9030	3/N L495599PML	· 🔽
~	Transform Check PCE		r (L495603PMLI	B) 2150 Lbs	}	***************************************		***************************************	STF 9030	3/N L495803PML	F C
	Check cond	diton of equipm equipment in u	antieaks or filmi se	ng						*	
***	5-A Small Check PCE	Capacitator (N	ICC DOOR)	•	·	······		***************************************	STF 9030	ID# 0045	ū
	Check cond	, coyo diton of equipm equipment in u	ent/leaks or filmli se	ng				**;	>		**
****		Capacitator (N		············	***************************************		***************************************	***************************************	STF 9030	ID# 0046	<u></u>
	Check PCE	diton of equipm	ent/leaks or filml	ng * *					*		LL/C
•••		equipment in u Capacitator (N				- Wasan Lindon			STF 9030	ID# 0047	
	Check PCE Check cond	Logo	ent/leaks or filml	ng			÷	*	**	ion dogs	Y
		Capacitator (••••••••••••••••••••••••	•••••	*******************************	**************************************	***************************************	STF 9030	ID# 0050	7
	Check PCE Check cond Check For	l Logo diton of equipm equipment in u	entileaks or filmi	ng					and the management		صلا
****		(6) (30961)	84.	pc- x000000000000000000000000000000000000			***************************************	•••••••••••••••••••••••••	· STF 9030	HOL 30981	T
	Check PCE Check cont Check for a		ent/leak or filmin	g				٠	4 *		LA
**	******	8201 Baseme	MMMM0000000000000000000000000000000000				······································		STF 9030	HOL 60835	
	Check PCE Check con	3 Logo	ent/leak or. filmin	9			A.		কাম্য কাষ্ট্ৰীয়	T 1 marker 2014 Particularity	عدا

zaday, January 19, 2010 . . . Issue a work order if more than 30 minutes of maintenance repair time is required as a result of an inspection.

Page 1 of 2

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HOL 60834

sday, January 19, 2010 Issue a work order if more than 30 minutes of maintenance repair time is required as a result of an inspection.

Holston Army Ammunition Plant
2010 PCB Annual Document Log

Page 2 of 2

	PM / INSP#: 123 Building Area B-G PM Description: PCB Quarterly inspections		4.	
Nex	xt Due Date 4/20/2010 Last Complete 1/20/2010 PM Completion Date: 4-70-7010	Status Active	Hours	<u>5</u>
	Due every 3 mths Person Assigned 12 10.6	Procedure	STF	
	PM Group Lineman, Facility Power PM Category Inspection		9030	
	Notes Per Inspection Report - 1/3/08 - 5-A, 11-A, 12-A - NON PCB 7/28/08 - L495613PMLB - Moved to Bidg #122, PCB Storage, taken off this PM. 8/4/08- THIS PM MUST BE COMPLETED WITHIN THE FIRST MONTH OF EACH QUARTER. 3/11/09 - L495625PMLB & L495622PMLB removed from Bidg 200 & stored at Bidg 122	¥ .		
em		Procedure	Equip#	Comp
1	5-A Transformer PCB (3164568) Check PCB Logo Check condition of equipment/leak or filming Check-for-equipment in use (NON PCB)	STF 9030	S/N 3164568	
2	8-X Transformer (7146126)	STF 9030	S/N 7146126	Ī
	Check PCB Logo Check condition of equipment/feeks or filming Check For equipment in use			Light
3	11-A Transformer (F962786)	STF 9030	S/N F962786	
1	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use [NON PCB]			*2/K
4	12-A Transformer (PLR49861)	STF 9030	S/N PLR49861	
	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use NON PCB			koltourum
5	Transfermer, Precipitator (L485599PMLB) 2150 ILbs	STF 9030	3N L496599PMLE	
	Check PCB Logo Chack condition of equipment/leaks or filming Check For equipment in use Pyranol Fluid			<u>ع</u> ق
5	Transformer, Precipitator (L495603PMLB) 2150 Lbs Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use Pyranol Fluid	STF 9030	3/N L495803PMLI	
9	5-A Small Capacitator (MCC DOOR)	STF 9030	ID# 0045	
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use		÷	
0	6-A Small Capacitator (MCC DOOR)	STF 9030	ID# 0046	1
*********	Check PCB Logo Check condition of equipment/lesks or filming Check For equipment in use			1-4-K
1	7-A Småll Capacitator (MCC DOOR) Check PCB Logo Check conditon of equipment/leaks or filming Check For equipment in use	STF 9030	ID# 0047	\(\text{\text{Z}}
2	20-A Small Capacitator (MCC DOOR)	STF 9030	ID# 0050	
••••	Check PCB Logo Check condition of equipment/fests or filming Check For equipment in use			LL
3	Capacitors (6) (30961) Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use	STF 9030	HOL 30981	Ū.
4	Capacitor 8201 Basement	STF 9030	HOL 60835	
	Check PCB Logo Check condition of aquipment/leak or filming Check for equipment in use	omergru ∵ompreföljfelfe	5.	<u>ل</u>

ıesday, April 20, 2010

Issue a work order if more than 30 minutes of maintenance repair time is required as a result of an inspection.

Page 1 of 2

8

Hoiston Army Ammunition Plant 2010 PCB Annual Document Log

STF 9030



PM / Inspection Checklist
Capacitor B201 Basement
Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use

esday, April 20, 2010

Issue a work order if more than 30 minutes of maintenance repair time is required as a result of an inspection.

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7

Hoiston Army Ammunition Plant 2010 PCB Annusi Document Log

PM /	INSP# :	: 123	Building	Area 8	G P	M Descrip	llon :	PCB Quar	rterly inspect	lons		AN I SAME IN THE PROPERTY OF T		-	
Next Du	ıe Date	7/20/2010	Last Com	plete 4	/20/2010) PM C	omple	ition Date:	<u> </u>	(-2010	Status	Active	•	Hours	6
Due	a every	3 mths				Person A	ssigne	1d JE/	Boggs			Procedure	STF		
PM (Group	Lineman, F	scility Powe	r		PM Cate	gory	Inspection	JU				9030		
		Per inspecti 7/28/08 - L4 8/4/08- THIS 3/11/09 - L4	95813PMLI S PM MUST	B - Move	d to Bido MPLETE	g #122, PC ED WITHIN	B Stor	rage, taken FIRST MOI	off this PM. VTH OF EACH stored at Bidg	H QUARTER:- 1 122	a ,				
em Des	scription	1	***************************************	*********	*****		ryion enemana	occoopedato Mesoconico	······································	······································	Pro	ocedure	Equip	**************************************	Comp
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		ormer (7146 1	126)		.,				***************************************		S	F 9030	S/N 714	6126	Ber 1
Che		Logo Iton of equipm equipment in u		filming						81				*	
		former (F962	786)			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		***************************************	v.	***************************************	S'	r F 9030	S/N F96	2786	7
Che Che		ltion of equipa guipment in u		filming		2	9 m.m.	ماح د	1 7	1	010				n He
		d Iormer (PLR	49861)		***********	26	:!!\	oves	.	-11716		TF 9030	SM PLR	49861	رز کا
Che Che	eck PCB eck cond eck for e ON PCB)	ition of equipr Wipment in u	ment/leak or	filming		· R	> 	^		444	CJ.	Ada	led	R	5 A C
		r, Precipitate	or (L495599)	PMLB)2	150 ILbs			<u> </u>	.X.X		S	TF 9030	3N L4955	99PMLI	<u> </u>
Che Che		iton of equipa equipment in (filming											
		r, Precipitat	or (L495603)	PMLB)2	150 Lbs		******	***************************************		*****************************	S	TF 9030	3/N L4956	03PML	F = = =
Che Che Pyro	ack For e anol Flui	lton of equipn equipment in a d	158	_		*	· · · · · · · · · · · · · · · · · · ·	a distallation of the control of the			6		•		******
		apacitator (i	MCC DOOR)				, 4,			S	TF 9030	ID#0	045	
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		apacitator (i		·		h-Peubhlindhenged idaggindhai	No es à 200000000	•		······································	s	TF 9030	ID# 0	046	
Che	eck PC8 eck cond eck For e	Logo iton of equipn quipment in u	nent/leaks or 198	filming	٠						,				needenneeden
1 7-A	Small C	apscitator (i)		******	on send a consti		······································	······································	S	TF 9030	10#0	047	177
Che		Logo iton of equipn quiptment in		filming							\$.	ø			·
		Capacitator	(MCC DOOR	1)				······································		*************************	S	TF 9030	ID# C	050	17
Che Che	eck For e	lton of equipn equipment in a	150	filming		200			000000000000000000000000000000000000000						
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4 Cap	pacitor E)201 Baseme		······	***************************************	**************************************		***************************************	******************	*****************		TF 90 30	HOL (30835	<i>y</i>
Che	eck PCB eck cond eck for ea	Logo illon of equipr juipment in u	nent/leak or: se	filming											

Issue a work order if more than 30 minutes of maintenance repair time is required as a result of an inspection.

Holston Army Ammunition Plant 2010 PCB Annual Document Log

iesday, July 13, 2010

Page 1 of 2

15 Capacitor 8201 Basement

Check PCB Logo Check condition of equipment/leek or filming Check for equipment in use

STF 9030

HOL 80834

acsday, July 13, 2010

Issue a work order if more than 30 minutes of maintenance repair time is required as a result of an inspection.

Page 2 of 2

P	M / INSP#	: 123	Building Area E	I-G PM	Description :	PCB Quar	terly inspections				*	
Nex	t Due Date	10/14/2010	Last Complete			etion Date:	*		Status	Active	Hours	
	Due every	3 mths		p	'erson Assign	00 <u>B.P.</u>	m ₄ J	terry	9	Procedure	STF	
1	M Group	Uneman, Fa	dility Power	ı	PM Category	Inspection	~ / /		··.		9030	
	Notes	7/28/08 - L49 8/4/08- THIS 3/11/09 - L49 7/14/2010 -		ed to Bidg a DMPLETED 5622PMLB 8, F962786	#122, PCB Sto WITHIN THE I removed fron I, PLR49861, a	rage, taken FIRST MOI Bidg 200 &	off this PM. VTH OF EACH QU stored at Bldg 122	ARTER,	2			
em	Description	n	······					•••••	Pe	ocedure	Equip#	Comp
1	Check PCB Check cond		ent/leaks or filming						S	TF 9030	S/N 7146126	
2	12-A Trans Check PCS Check cork	sformer (PLR 3 Logo	19861) nantheak or filming		٠	***************************************	•	***************************************	S	TF 9030	S/N PLR49881	
3	Transform Check PCE Check cond	ier, Precipitato 3 Logo diton of equipm equipment in u	r (L495599PMLB) ent/leaks or filming	2150 ILbs					Ş	TF 9030	VN L4 95589PML	'[Z
4	Check PCE Check cons	3 Logo diton of equipm equipment in u	or (L495603PMLB) nent/leaks or filming se	2150 Lbs						OTF 9030	3/N L495603PMI	<u> </u>
5	Check PCE Check cons		ent/leaks or filming							51F 9 030	ID# 0045	Z
6	Check PCE Check cons		ent/leaks or filming						-	STF 9030	ID# 0046	V
7	7-A Small Check PCE Check con	Capacitator (i 3 Logo	ACC DOOR) tent/leaks or filming			÷		*)	STF 9030	ID# 0047	7
8	20-A Small Check PCI Check con	II Capachtatori 3 Logo	(MCC DOOR) vent/leaks or filming			••••••••••••••			***************************************	STF 9030	ID# 0050	TZ.
9	Capaciton Check PCI Check con	s (6) (30961) 3 Logo	nent/leak or filming	*					•••••••••••••••••••••••••••••••••••••••	STF 9030	HOL 30861	T.
10	Capacitor Check PCI Check con	9201 Baseme B Logo	int nentileak or filming					***************************************	***************************************	STF 9030	HOL 60835	
11	Capacitor Check PCI Check con	B201 Baseme B Logo	nt nent/lesk or filming	······································					***************************************	STF 9030	HOL 60834	

Thursday, September 30, 2

Issue a work order if more than 30 minutes of maintenance repair time is required as a result of an inspection.

Page 1 of 1

PCB INVENTORY - DECEMBER 31, 2010 HOLSTON ARMY AMMUNITION PLANT

	EQUIPMENT LOCATION	200, boiler#1	200, boiler#2	8A, elect Rm	12A	8A, elect. Rm.	201,basement	201,basement	5A, MCC	6A, MCC	7A, MCC	20A, MCC
	PCB CONC. (ppm)	>500	>500	>500	63	>500	>500	>500	>500	>500	>500	>500
1 4 1	OLUME (Gals.)	82 gal	82 gal	258 gal	3244gal	9 Jeg	Ţ.	Ę	S	2	8	9
	Filid	Pyranol	Pyranol	Pyranol		Pyranol	Pyranol	Pyranol	Pyranol	Pyranol	Pyranol	Pyranol
	CLASSIFICATION	TIE PCB	Full PCB	FGB FCB	Contaminated PCB; Being reclassified – requires sampling after in service for 90 days. Unit requires upgrade before being brought online – dependent upon funding avaitability.	Large	Small	Small	Small	Small	Small	Small
	SERAL	L495599PMLB	L495603PMLB	7146126	PLR49861	HOL#30961	HOL#60835	HOL#60834	ID#0045	ID#0046	ID#0047	ID#0050
Oliver and the second	8 =	£	ድ	뙤	뜨	ర	ర	ర	×	×	×	×
		Transformer	Transformer	Transformer	Transformer	Capacitor	Capacitor	Capacitor	SM Capacitor	SM Capacitor	SM Capacitor	SM Capacitor

ND = Not detectable

TRANSFORMERS RECLASIFIED AS NON-PCB

;	EQUIPMENT LOCATION	A11	5A	12 A
	PCB CONC. (ppm)	Previously 158 prior to PCBX; Reclassified as non-PCB (10 ppm PCBs)	Previously 54 ppm prior to PCBX; Reclassified as non-PCB (0.71 ppm PCBs)	83
	VOLUME (Gals.)	610 gal	423 gal	3244gal
トラレハー	Fluid Type			
	CLASSIFICATION	Formerly classified as contaminated PCB; Unit reclassified as non-PCB	Formerly classified as contaminated PCB; Unit reclassified as non-PCB	Contaminated PCB; Being reclassified – requires sampling after in service for 90 days. Unit requires upgrade before being brought online – dependent upon funding availability.
<i>F</i> 300	SERIAL Number	F962786	3164568	PLR49861
	CO B	꾸	E	ഥ
	EQUIPMENT TYPE	Transformer	Transformer	Transformer TR PLR49861

Holston Army Ammunition Plant 2010 PCB Annual Document Log

PCB ITEMS IN STORAGE JANUARY 1, 2010 – DECEMBER 31, 2010 HOLSTON ARMY AMMUNITION PLANT

BAE SYSTEMS

Ordnance Systems Inc.

Drum Comments No.	
3 5 6 8	
\$ 50 A	
tored Vol. Total D Bldg. (Gals.) Kg. D	Ö
Stored at Bldg.	3-122 in 201
Date Stored	stored in E
rom Date Date Stored	No PCB items stored in B-122 in 2010
Removed From Rei	*
oment Removed F	
Equipment Type	

Holston Army Ammunition Plant 2010 PCB Annual Document Log

BAE SYSTEMS

Ordnance Systems Inc.

JANUARY 1, 2010 – DECEMBER 31, 2010 HOLSTON ARMY AMMUNITION PLANT

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1

	e Date Stored Vol. Total Date Date	Removed Stored at Bldg. (Gals.) Wt.(kg) Shipped Disposed	ems disposed in 2010
	T C C C C C C C C C C C C C C C C C C C		2
**************************************	Caria		
***************************************	Edin	Type	

Ordnance Systems Inc.

Holston Army Ammunition Plant 4509 West Stone Drive Kingsport, TN 37660-9982

EPA Identification Number: TN 5210020421

PCB Annual Document Log January 1, 2011 – December 31, 2011

Prepared by:

Environmental and Electrical Departments

Submitted by:

Environmental Department



PCB Transformer Inspection Example Checklist

Holston Army Ammunition Plant 2011 PCB Annual Document Log

PM / INSP#: 123

Building Area B-G

PM Description: PCB Quarterly Inspections

Due every 3

PM Completion Date:

Status Active

Hours

mths

Person Assigned

PM Group Lineman, Facility Power

PM Category Inspection

9030

Procedure STF

Notes Per Inspection Report - 1/3/08 - 5-A, 11-A, 12-A - NON PCB

7/28/08 - L495613PMLB - Moved to Bldg #122, PCB Storage, taken off this PM.

8/4/08- THIS PM MUST BE COMPLETED WITHIN THE FIRST MONTH OF EACH QUARTER.

3/11/09 - L495625PMLB & L495622PMLB removed from Bidg 200 & stored at Bidg 122

7/14 /2010 - Removed 3164568, F962786, PLR49861, all non-PCB

7/22-2010 - Added PLR49861 back to PM, per Amy

	The word of the control of the contr	' hoi viii)				
Item	Description	* V *	S ~-	Procedure	Equip#	Comp
1	8-A Transformer (7146126)			STF 9030	S/N 7146126	ı
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use					5 * 8
2	12-A Transformer (PLR49861)	V 10 - 1000 00 100000 V 1000 V	· · · · · · · · · · · · · · · · · · ·	STF 9030	S/N PLR49861	## 2 00 0000000000000000000000000000000
	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use	Anii ca				t .
3	Transformer, Precipitator (L495599PMLB) 2150 ILbs	******	e en is	STF 9030	3/N L496599PMLE	L
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use Pyrand Flutd					المستوسدة
4	Transformer, Precipitator (L495603PMLB) 2150 Lbs	\$1. 4.4. 4 W. 4. 4.8	n in in the department of	STF 9030	3/N L495603PMLE	ŀ
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use Pyranol Fluid	are in a				· •
5	5-A Small Capacitator (MCC DOOR)	39 (Xe)X	do considerate de d	STF 9030	ID# 0045	
6	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use 6-A Small Capacitator (MCC DOOR)	vis dv. a	value a a la co	STF 9030 ^ *	ID# 0046	L
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use			011 0300	100 M. G.G. L.G.	1
7	7-A Small Capacitator (MCC DOOR)	**	,*2 · · ·	STF 9030	ID# 0047	3
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use					
8	20-A Small Capacitator (MCC DOOR)	> v	· **	STF 9030	ID# 0050	*
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use					, sees see see
9	Capacitors (6) (30981)	1.00 A supplies	galance in a	STF 9030	HOL 30961	"
	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
10	Capacillor B201 Bassment	- No. 10 No.	69 see see	STF 9030	HOL 60835	***
	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use				፣ ነውሎ ሁለያላያ	ş
11	Capacitor B201 Basement	**************************************	* * * * * * * * * * * * * * * * * * *	STF 9030	HOL 60834	
	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use				s supraw Military (Military)	l., ,
		,* · s	*	w v	· · · · · ·	

Monday, July 11, 2011

issue a work order if more than 30 minutes of maintenance repair time is required as a result of an inspection.

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Hoiston Army Ammunition Plant 2011 PCB Annual Document Log Page 2



2011 PCB Transformer Quarterly Inspections

PM / INSP#: 123 Next Due Date 1/4/2011 **Building** Area B-G

PM Description: PCB Quarterly inspections

Status Active

Hours

Due every 3

Last Complete 10/4/2010

PM Completion Date: Person Assigned <u>LL</u>

PM Group Lineman, Facility Power

Procedure STF

PM Category Inspection

9030

Notes Per Inspection Report - 1/3/08 - 5-A, 11-A, 12-A - NON PCB

7/28/08 - L495613PMLB - Moved to Bidg #122, PCB Storage, taken off this PM.

8/4/08- THIS PM MUST BE COMPLETED WITHIN THE FIRST MONTH OF EACH QUARTER.

3/11/09 - L495625PMLB & L495622PMLB removed fron Bidg 200 & stored at Bidg 122

7/14 /2010 - Removed 3164568, F962786, PLR49861, all non-PCB

7/22-2010 - Added PLR49861 back to PM, per Amy

Item	Description	Procedure	Equip#	Comp
	•	STF 9030	S/N 7146126	~~~~~
1	8-A Transformer (7146126) Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use	טנו שניטע	Salata sang	September 1
2	12-A Transformer (PLR49861)	STF 9030	S/N PLR49861	1
	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use		·· · · · · · · · · · · · · · · · · · ·	€ je*
3	Transformer, Precipitator (L495599PMLB) 2150 ILbs	STF 9030	3/N L495599PMLE	
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use Pyranot Fluid			
4	Transformer, Precipitator (L495603PMLB) 2150 Lbs	STF 9030	3/N L495603PMLE	
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use Pyranol Fluid			4 5>
5	5-A Small Capacitator (MCC DOOR)	STF 9030	ID# 0045	- Automotion
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use			:
6	6-A Small Capacitator (MCC DOOR)	STF 9030	ID# 0046	
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use			2,
7	7-A Small Capacitator (NCC DOOR)	STF 9030	ID# 0047	
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use			andhear.
8	20-A Small Capacitator (MCC DOOR)	STF 9030	ID# 0050	A STATE OF THE PARTY OF THE PAR
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use			
9	Capacitors (6) (30961)	STF 9030	HOL 30981	and the second
	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use			garet, .
10	Capacitor B201 Basement	STF 9030	HOL 60835	
	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use			/
11	Capacitor B201 Basement	STF 9030	HOL 60834	A STATE OF THE STA
	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use			₹

Issue a work order if more than 30 minutes of maintenance repair time is required as a result of an inspection. Monday, January 03, 2011

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Holston Army Ammunition Plant 2011 PCB Annual Document Log Page 4

PM / INSP#: 123

Building Area B-G

PM Description: PCB Quarterly inspections

Next Due Date 4/5/2011 Due every 3

Last Complete 1/5/2011

PM Completion Date: 4/21/11

Status Active

Hours

Person Assigned Relay Nation

Procedure STF

PM Group Lineman, Facility Power

PM Category Inspection

9030

Bur Line

Notes Per Inspection Report - 1/3/08 - 5-A, 11-A, 12-A - NON PCB

7/28/08 - L495613PMLB - Moved to Bldg #122, PCB Storage, taken off this PM.

8/4/08- THIS PM MUST BE COMPLETED WITHIN THE FIRST MONTH OF EACH QUARTER.

3/11/09 - L495625PMLB & L495622PMLB removed fron Bldg 200 & stored at Bldg 122

7/14 /2010 - Removed 3164568, F962786, PLR49861, all non-PCB

7/22-2010 - Added PLR49861 back to PM, per Amy

	7/22-2010 - Added PLR49861 back to PM, per	Amy		
Item	Description	Procedure	Equip#	Comp
1	8-A Transformer (7146126)	STF 9030	S/N 7146126	
	Check PCB Logo Check conditon of equipment/leaks or filming Check For equipment in use			•
2	12-A Transformer (PLR49861)	STF 9030	S/N PLR49861	_/
	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use			•
3	Transformer, Precipitator (L495599PMLB) 2150 ILbs	STF 9030	3/N L495599PMLE	1
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use Pyranol Fluid			•
4	Transformer, Precipitator (L495603PMLB) 2150 Lbs	STF 9030	3/N L495603PMLE	
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use Pyranol Fluid			
5	5-A Small Capacitator (MCC DOOR)	STF 9030	ID# 0045	
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use			300
6	6-A Small Capacitator (MCC DOOR)	STF 9030	ID# 0046	,
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use			ŕ
7	7-A Small Capacitator (MCC DOOR)	STF 9030	ID# 0047	. 48
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use			
8	20-A Small Capacitator (MCC DOOR)	STF 9030	ID# 0050	
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use			
9	Capacitors (6) (30961)	STF 9030	HOL 30961	Same of the same o
	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use			
10	Capacitor B201 Basement	STF 9030	HOL 60835	
	Check PCB Lago Check condition of equipment/leak or filming Check for equipment in use			ii
11	Capacitor B201 Besement	STF 9030	HOL 60834	
	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use		29. a. a. a. 89	
	Hoiston Army Ammunition Plant 2011 PCB Annual Document Log		Page 5	

PM / INSP#: 123

Building Area B-G

PM Description: PCB Quarterly Inspections

Next Due Date 7/21/2011

Last Complete 4/21/2011

PM Completion Ogta:

Due every 3 mths

Person Assigned KANDY IERNY

Status Active

Hours

PM Group Lineman, Facility Power

PM Category Inspection

Procedure STF 9030

Notes Per Inspection Report - 1/3/08 - 5-A, 11-A, 12-A - NON PCB

7/28/08 - L495613PML8 - Moved to Bidg #122, PCB Storage, taken off this PM.

8/4/08- THIS PM MUST BE COMPLETED WITHIN THE FIRST MONTH OF EACH QUARTER.

3/11/09 - L495625PMLB & L495622PMLB removed fron Bidg 200 & stored at Bidg 122

7/14 /2010 - Removed 3164568, F962786, PLR49861, all non-PC8

7/22-2010 - Added PLR49861 back to PM, per Amy

	7/22-2010 - Added PLR49801 back to PM, per Amy	COMPA DE LORGE O	1 ' 4 4' 00 to 4 404'	20 - 0 - 64	
ltem	Description	CANA DE COMPA A	Procedure	Equip#	Comp
1	8-A Transformer (7146128)		STF 9030	S/N 7145126	
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use				V
2	12-A Transformer (PLR49861)		STF 9030	S/N PLR49861	
	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use				•
3	Transformer, Precipitator (L495599PMLB) 2150 ILba		STF 9030	3/N L495599PMLE	A MARINE METERS
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use Pyranol Fluid				•
4	Transformer, Precipitator (L495603PMLB) 2150 Lbs		STF 9030	3/N L495603PMLE	i water
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use Pyranol Fluid				
5	5-A Small Capacitator (MCC DOOR)		STF 9030	ID# 0045	3 Agreemen
	Check PC8 Logo Check condition of equipment/leaks or filming Check For equipment in use				80
6	6-A Small Capacitator (MCC DDOR)		STF 9030	ID# 0046	. /
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7	7-A Small Capacitator (MCC DODR)		STF 9030	ID# 0047	lamare and the
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use				
8	20-A Small Capacitator (MCC DDOR)		STF 9030	ID# 0050	
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use				•
9	Capacitors (6) (30961)		STF 9030	HOL 30961	S. Aller Market
	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use				•
10	Capacitor B201 Basement		STF 9030	HOL 60835	
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11	Capacitor B201 Basement		STF 9030	HOL 60834	i
	Check PCB Logo no fac. logo Check condition of equipment/leak or filming Check for equipment in use				*

Wednesday, July 20, 2011

Issue a work order if more than 30 minutes of maintenance repair time is required as a result of an inspection.

Holston Army Ammunition Plant 2011 PCB Annual Document Log Page 6

Page 1 of 2

PM / INSP#: 123

Building Area B-G

PM Description: PCB Quarterly Inspections

Next Due Date 10/21/2011 Last Complete 7/21/2011

PM Completion Date: 10 - 17 - ZO 11

Hours

Due every 3

mths

Person Assigned RRRU

Procedure STF

Status Active

PM Group Lineman, Facility Power

PM Category Inspection

9030

Notes: Per Inspection Report - 1/3/08 - 5-A, 11-A, 12-A - NON PCB

7/28/08 - L495613PMLB - Moved to Bidg #122, PCB Storage, taken off this PM.

8/4/08- THIS PM MUST BE COMPLETED WITHIN THE FIRST MONTH OF EACH QUARTER.

3/11/09 - L495625PMLB & L495622PMLB removed fron 8ldg 200 & stored at 8ldg 122

7/14 /2010 - Removed 3164568, F962786, PLR49861, all non-PCB

7/22-2010 - Added PLR49861 back to PM, per Amy

	//az-zu iu - Audeu Plitaeoo i dack io Pin, per Arry		p	
Item	Description	Procedure	Equip#	Comp
1	8-A Transformer (7146126)	STF 9030	S/N 7146126	
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use			
2	12-A Transformer (PLR49861)	STF 9030	S/N PLR49861	THE REAL PROPERTY.
	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use			
3	Transformer, Precipitator (L495599PMLB) 2150 ILbs	STF 9030	3/N L495599PMLE	. AMERICAN
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use Pyranol Fluid			
4	Transformer, Precipitator (L495803PMLB) 2150 Lbs	STF 9030	3/N L495603PMLE	
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use Pyranol Fluid			
5	5-A Small Capacitator (MCC DOOR)	STF 9030	ID# 0045	A PARTY OF THE PAR
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use			
6	6-A Small Capacitator (MCC DOOR)	STF 9030	ID# 0046	Market Barrier
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use			· /
7	7-A Small Capacitator (MCC DOOR)	STF 9030	ID# 0047	
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use			
8	20-A Small Capacitator (MCC DOOR)	STF 9030	ID# 0050	1 Martin Maria
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use			
9	Capacitors (6) (30961)	STF 9030	HOL 30961	·
	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use			•
10	Capacitor B201 Basement	STF 9030	HOL 60835	
	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use			V
11	Capacitor B201 Basament	STF 9030	HOL 60834	
	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use			*

Thursday, October 13, 201

Issue a work order if more than 30 minutes of maintenance repair time is required as a result of an inspection.

Page 7

Hoiston Army Ammunition Plant 2011 PCB Annual Document Log Page 1 of 2

PCB INVENTORY - DECEMBER 31, 2011 HOLSTON ARMY AMMUNITION PLANT

	5	Z				***************************************	
) w		CLASSIFICATION	2	Gas	PCB CONC. (ppm)	
Transformer	푀	L495599PMLB	Full PCB	Pyranol	82 gal	>500	200, boiler#1
Transformer	Œ	L495603PMLB	E PCB	Pyranol	82 gal	>500	200, boiler#2
Transformer	Ħ	7146126	Full PCB	Pyranol	258 gal	>500	8A, elect Rm
Transformer	ድ	PLR49861	Contaminated PCB; Being reclassified – requires sampling after in service for 90 days. Unit requires upgrade before being brought online – dependent upon funding availability.		3244gal	63	12A
Capacitor	S	HOL#30961	Large	Pyranol	9 gal	>500	8A, elect. Rm.
Capacitor	ర	HOL#60835	Small	Pyranol	1. 12.	>200	201,basement
Capacitor	S	HOL#60834	Small	Pyranol	ţ	>500	201,basement
SM Capacitor	×	ID#0045	Small	Pyranol	2	>500	5A, MCC
SM Capacitor	×	ID#0046	Small	Pyranol	2	>200	% ≅
SM Capacitor	×	ID#0047	Small	Pyranol	S	>200	7A, MCC
SM Capacitor	×	ID#0020	Small	Pyranol	2	>500	20A, MCC

ND = Not detectable

TRANSFORMERS RECLASIFIED AS NON-PCB

	EQUIPMENT	s 11A	ر ا ا	\$1
	PCB CONC. (ppm)	Previously 158 prior to PCBX; Reclassified as non-PCB (10 ppm PCBs)	Previously 54 ppm prior to PCBX; Reclassified as non-PCB (0.71 ppm PCBs)	83
	VOLUME (Gals.)	610 gal	423 gal	3244gal
	Tuid	:		
	CLASSIFICATION	Formerly classified as contaminated PCB; Unit reclassified as non-PCB	Formerly classified as contaminated PCB; Unit reclassified as non-PCB	Contaminated PCB; Being reclassified – requires sampling after in service for 90 days. Unit requires upgrade before being brought online – dependent upon funding availability.
88	SERIAL NUMBER	F962786	3164568	PLR49861
	8 4	¥	ድ	£
		Transformer	Transformer	Transformer

Ordnance Systems Inc.

PCB ITEMS IN STORAGE JANUARY 1, 2011 – DECEMBER 31, 2011 HOLSTON ARMY AMMUNITION PLANT

Comments	It was unknown if the capacitors on the electrical boards contained PCBs, so they were treated as if they did contain PCBs.					
E .	—					
35	Z					
\$ \$	85					
Gas.	N/A					
Stored at Bidg.	22					
Date Stored	6/9/11					
Date Removed	6/9/11					
Removed From	Area A					
Serial No.	۸A					
Equipment Type	Electrical Items Potentially Containing PCBs					

Ordnance Systems Inc.

PCB ITEMS DISPOSED JANUARY 1, 2011 – DECEMBER 31, 2011 HOLSTON ARMY AMMUNITION PLANT

S S S	erial No. Removed From Date Date Stored Vol. Total Date Date Date	Area A 6/9/11 6/9/11 122 N/A 92 8/11/11
Serial No.		e g
[800] W	nt Serial No.	- A D



Manifest and Certificate of Disposal from Clean Harbors

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Form 8700-22A (Rev. 3-06) Previous editors are obsolute. Seam Harbory has the appropriate permits for and will accept the we			FACILITY TO	DESTIN	IATION S	TATE (IF F	EWRE
Hoiston Army Ammunition Plant			***************************************			·	



Clean Harbors Deer Park, LLC 2027 Independence Parkway South La Porte TX, 77571 TXD055141378 (281) 930-2300

CERTIFICATE OF DISPOSAL

Generator Facility Name:

Bae Systems Ordinance Systems

Generator Address:

Sales Order#:

LV3698937

4509 West Stone Drive

Date Received:

8/22/2011

Generator Contact Name:

Generator EPA ID:

TN5210020421

Load #:

334888

Manifest #:

004472699FLE

Original Date Removed Unit CH ID #

From Service Type

Serial # / **Customer ID**

Material Description Disposal Date

Method of Disposal

Disposal Facility

24816695

8/11/2011

DM 24816695/

Capacitor For Incineration

8/30/2011

Incineration

Deer Park, TX Facility

Under Civil and Criminal Penalties of Law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Authorized Agent

Thursday, September 08, 2011

Page 1 of 1



2011 B-122 PCB Storage Area Inspections

Holston Army Ammunition Plant 2011 PCB Annual Document Log

Holston Army Ammunition Plant 2011 PCB Annuál Document Log

Description	Ž.		****	***	Date of	Signature of Inspector
			Removed	Stored	mspection	
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Ordnance Systems Inc.

Holston Army Ammunition Plant 4509 West Stone Drive Kingsport, TN 37660-9982

EPA Identification Number: TN 5210020421

PCB Annual Document Log January 1, 2012 – December 31, 2012

Prepared by:

Environmental and Electrical Departments

Submitted by:

Environmental Department



2012 PCB Transformer Quarterly Inspections

Note: In July 2013, the Electrical and Instrument Services Manager contacted GE regarding the capacitors in B-201 (items 10 and 11 on the checklist). Per GE, these capacitors do not contain PCBs. They have been removed from the PCB inventory and quarterly inspection checklist.

PM / INSP#: 123 Building Area B-G PM Description: PCB Quarterly inspections Next Due Date 1/17/2012 Last Complete 10/17/2011 PM Completion Date: Status Active Due every 3 mths Person Assigned / Procedure STF 9030 PM Catagory Inspection PM Group Lineman, Facility Power Notes Per Inspection Report - 1/3/08 - 5-A, 11-A, 12-A - NON PCB 7/28/08 - L495613PMLB - Moved to Bldg #122, PCB Storage, taken off this PM. 8/4/08- THIS PM MUST BE COMPLETED WITHIN THE FIRST MONTH OF EACH QUARTER. 3/11/09 - L495625PMLB & L495622PMLB removed fron Bidg 200 & stored at Bidg 122 7/14 /2010 - Removed 3164568, F962786, PLR49861, all non-PCB 7/22-2010 - Added PLR49861 back to PM, per Amy

	1722-2010 - Added PLR49861 back to PM, per Amy		
item	Description	Procedure	Equip# Comp
1	8-A Transformer (7146126)	STF 9030	S/N 7146126
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use		I V
2	12-A Transformer (PLR49861)	STF 9030	S/N PLR49861
	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use		. •
3	Transformer, Precipitator (L495399PMLB) 2150 ILbs	STF 9030	3/N L495599PMLE *
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use Pyranol Fluid		
4	Transformer, Precipitator (L495903PMLB) 2150 Lbe	STF 9030	3/N L485603PMLE "\"
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use Pyrano! Fluid		
5	5-A Small Capacitator (MCC DOOR)	STF 9030	ID# 0045
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use		*
6	6-A Small Capacitator (MCC DOOR)	STF 9030	ID# 0046
7	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use 7-A Small Capacitator (MCC DOOR)	STF 9030	ID#0047 : 🖋 E
	Check PCB Logo	m. e	1011
	Check condition of equipment/leaks or filming Check For equipment in use	o sono e ga e saga	98 வைத்திலை என்ன முத்தார். இது
8	20-A Small Capacitator (MCC DOOR)	STF 9030	ID# 0050
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use	an s	*
9	Capacitors (6) (30961)	STF 9030	HOL 30961
	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use		1 *
10	Capacitor B201 Basement	STF 9030	HOL 60835
	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use		
11	Capacitor B201 Basement	STF 9030	HOL 60834
	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use		
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Tuesday, January 17, 2012

lesue a work order if more than 30 minutes of maintenance repair time is required as a result of an inspection.

Page 2

Page 1 of 2

Hours

Hoiston Army Ammunition Plant 2012 PCB Annual Document Log

PM/INSP#: 123

Building Area B-G

PM Description: PCB Quarterly inspections

Next Due Date 4/17/2012 Last Complete 1/17/2012

PM Completion Date: 4/15/1

Hours

Due every 3 mthe Person Assigned <u>CA</u>

Procedure STF

9030

PM Group Lineman, Facility Power

PM Category inspection

Notes Per Inspection Report - 1/3/08 - 5-A, 11-A, 12-A - NON PCB

7/28/08 - L495813PMLB - Moved to Bldg #122, PCB Storage, taken off this PM.

8/4/08- THIS PM MUST BE COMPLETED WITHIN THE FIRST MONTH OF EACH QUARTER.

3/11/09 - L495625PMLB & L495622PMLB removed fron Bldg 200 & stored at Bldg 122

7/14 /2010 - Removed 3164568, F962786, PLR49881, all non-PCB

7/22-2010 - Added PLR49861 back to PM, per Amy

	7/22-2010 - Added PLR49861 back to F	M, per Amy				•) •
item	Description		,		Procedure	Equip# Comp
1	8-A Transformer (7146126)				STF 9030	SJN 7146126 🗎 🧪
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use	* **				3.2203
2	12-A Transformer (PLR49881)	77	/Down tex	1	STF 9030	S/N PLR49881
	Check condition of equipment/leak or filming Check for equipment in use		117527 4 EX	.1 5 †	63 101.9	244
3	Transformer, Precipitator (L495599PMLB) 2150 ILbs	B			STF 9030	3/N [.495599PMLE :
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use Pyranol Fluid	er i nigeri.				*.
4	Transformer, Precipitator (L495803PMLB) 2150 Lbs				STF 9030	3/N L495603PMLE
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use Pyranot Fluid			ż		
5	5-A Small Capacitator (MCC DOOR)		* *-	*	STF 9030	ID# 0045 !
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use		,	13 - 460 m²	,	***
6	6-A Small Capacitator (MCC DOOR)				STF 9030	ID# 0046
7	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use 7-A Small Capacitator (MCC DOOR)	Hope is	or A y compa	a see see	STF 9030	ID# 0047 ·
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use					*
8	20-A Small Capacitator (MCC DOOR)		y white,	8.000 / c	STF 9030	ID# 0050
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use					* *** 20 m
9	Capacitors (6) (30961)		one or expo	** *	STF 9030	HOL 30961
	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use	A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				**
10	Capacitor B201 Basement				STF 9030	HOL 60835
11	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use Capacitor B201 Basement	*13***	* *		STF 9030	HOL 60834
- '	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use	t few and militar shapes a 1	almoni v	a Esc. 100	·e v	

Tuesday, April 17, 2012

Issue a work order if more than 30 minutes of maintenance repair time is required as a result of an inspection.

Page 1 of 2

Holston Army Ammunition Plant 2012 PCB Annual Document Log Page 3

Building Area B-G

PM / INSP#: 123

Hours Next Due Date 7/15/2012 Last Complete 4/15/2012 PM Completion Date: Status Active Due every 3 mths Person Assigned 2 Procedure STF 9030 PM Group Lineman, Facility Power PM Category Inspection Notes 8/4/08- THIS PM MUST BE COMPLETED WITHIN THE FIRST MONTH OF EACH QUARTER. Equip# Procedure item Description Como STF 9030 S/N 7146126 8-A Transformer (7146126) Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use STF 9030 S/N PLR49861 12-A Transformer (PLR49861) ogo missing Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use Transformer, Pracipitator (L495599PMLB) 2150 ILbs 3/N L495599PMLE STF 9030 Check PCB Logo Check conditon of equipment/leaks or filming Check For equipment in use Pyranol Fluid STF 9030 3/N L495603PMLE & Transformer, Precipitator (L495603PMLB) 2150 Lbs Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use Pyranol Fluid 5-A Small Capacitator (MCC DOOR) STF 9030 ID# 0045 Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use 6-A Small Capacitator (MCC DOOR) STF 9030 ID# 0046 Chack PCB Logo Check condition of equipment/leaks or filming '\$heck For equipment in use '7-A 'Small Capacitator (MCC DOOR) STE 9030 10# 0047 Check PC8 Logo Check condition of equipment/leaks or filming Check For equiptment in use 20-A Small Capacitator (MCC DOOR) STF 9030 10# 0050 Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use STF 9030 HOL 30961 Capacitors (6) (30961) Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use HOL 80835 Capacitor B201 Basement STF 9030 Check PCB Logo Not there Not there Check condition of equipment/leak or filming Check for equipment in use Capacitor B201 Basement STF 9030 HOL 60834 Check PCB Logo Check condition of equipment/leak or filming

PM Description: PCB Quarterly Inspections

Wednesday, July 25, 2012

Check for equipment In use

Issue a work order if more than 30 minutes of maintenance repair time is required as a result of an inspection.

Page 1 of 2

Ordnance Systems Inc.

PCB Quarterly Inspections

PM / INSP#: 123

Last Complete Date: 7/25/2012

Building: Area B-G

Status: Active

Next Due Date: 10/25/2012

Procedure: STF 9030

Due every 3 months

PM Completion Date: 10 - 8-12

PM Group: Lineman, Facility Power

Hours:

PM Category: Inspection

tegory: Inspection

Person Assigned: A//EA / DAYNC//
Notes: 8/4/08-THIS PM MUST BE COMPLETED WITHIN THE FIRST MONTH OF EACH QUARTER.

Iten	Description	Procedure	Equip# Compiete
1	8-A Transformer (7148126) Check PCB Logo Check conditon of equipment/leaks or filming Check For equipment in use	✓	S/N 7146126
3	Transformer, Precipitator (L495599PMLB) 2150 ILbs Check PCB Logo Check conditon of equipment/leaks or filming Check For equipment in use Pyranol Fluid	/	S/N L495599PMLB
4	Transformer, Precipitator (L495803PMLB) 2150 Lbs Check PCB Logo Check conditon of equipment/leaks or filming Check For equipment in use Pyranol Fluid	/	S/N L495603PMLB
6	5-A Small Capacitator Check PCB Logo Check conditon of equipment/leaks or filming Check For equipment in use	V	ID# 0045
6	6-A Small Capacitator Check PCB Logo Check conditon of equipment/leaks or filming Check For equipment in use	/	ID# 0046
7	7-A Small Capacitator Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use	/	ID# 0047
8	20-A Small Capacitator Check PCB Logo Check conditon of equipment/leaks or filming Check For equipment in use	✓	ID# 0050
9	Capacitors (6) (30961) Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use	/	HOL 30961
10	Capacitor B201 Basement Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use		HOL 60835
11	Capacitor B201 Basement Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use		HOL 60834
2	12-A Transformer (PLR49861) Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use		S/N PLR49861
10/8/2012	B-8 Transformer Hoiston Army Ammunition Plant 2012 PCB Annual Document Log		\$1/V 35811 Page 5

PCB INVENTORY - DECEMBER 31, 2012

	200, boiler#1	200, boiler#2	8A, elect Rm	12A	8A, elect. Rm.	2A, MCC	5A, MCC	6A, MCC	7A, MCC	20A, MCC
PCB COMC. (ppm)	>200	>500	>500	63	>500	>500	>500	>500	>500	>500
VOLUME Gals.)	82 gal	82 gal	258 gal	3244gal	9 gal	2	9	9	2	2
- Fired	Pyranol	Pyranol	Pyranol		Pyranol	Pyranol	Pyranol	Pyranol	Pyranol	Pyrano
CLASSIFICATION	Full PCB	Full PCB	Full PCB	Contaminated PCB; Being reclassified – requires sampling once in service for 90 days. Unit requires upgrade before being brought online.*	Large	Small	Small	Small	Small	Small
SERIAL MUMBER	L495599PMLB	L495603PMLB	7146126	PLR49861	HOL#30961		D#0045	ID#0046	ID#0047	ID#0050
8 m	ፎ	TR	压	ድ	ర	×	×	×	×	×
	Transformer	Transformer	Transformer	Transformer*	6 Capacitors	SM Capacitor				

ND = Not detectable

	EQUIPMENT LOCATION	11A	5A	12A
	PCB COMC. (ppm)	Previously 158 prior to PCBX; Reclassified as non-PCB (10 ppm PCBs)	Previously 54 ppm prior to PCBX; Reclassified as non-PCB (0.71 ppm PCBs)	63
	VOLUME (Gals.) 610 gal		423 gal	3244gal
2 2 2 1	Fluid Type			
ロフトとうとっくコピークイブリアルと聞きてつからく	CLASSIFICATION	Formerly classified as contaminated PCB; Unit reclassified as non-PCB	Formerly classified as contaminated PCB; Unit reclassified as non-PCB	Contaminated PCB; Being reclassified – requires sampling once in service for 90 days. Unit requires upgrade before being brought online.*
	SERIAL	F962786	3164568	PLR49861
	8 =	ደ	۲	ድ
		Transformer	Transformer	Transformer*

*Note: Oil was removed from Transformer PLR49861 on March 6, 2013 for disposal, and the transformer itself was removed on June 19, 2013 for recycling of metal components. Manifests and certificates of disposal will be included in the 2013 PCB Annual Document Log. Page 6

Ordnance Systems Inc.

PCB ITEMS IN STORAGE JANUARY 1, 2012 – DECEMBER 31, 2012 HOLSTON ARMY AMMUNITION PLANT

Comments	ž
Dr.	ž
S E S	Š
Z O	ž
C VOI.	¥
Stored at Bldg.	Ž
Date	£
Date Removed	Š
Removed From	NA.
Equipment Serial No. Removed	Y.
Equipment Type	None

Holston Army Ammunition Plant 2012 PCB Annual Document Log

BAE SYSTEMS

Ordnance Systems Inc.

PCB ITEMS DISPOSED CYCC Y NOVE TO WE

-				
HOLSTON ARMY AMMUNITION PLANT		XX		
	Shipped	Š		
	K Total	N/A		
	i ŝ	N/A		
	Stored Bigg	ΑN		
	1	NA		
	Date Removed	NA		
	No. Removed From	WA		
	Series	N/A		
	Equipment Type	None		

Ordnance Systems Inc.

Holston Army Ammunition Plant 4509 West Stone Drive Kingsport, TN 37660-9982

EPA Identification Number: TN 5210020421

PCB Annual Document Log January 1, 2013 – December 31, 2013

Prepared by: Environmental and Electrical Departments

Submitted by: Environmental Department

2013 PCB Transformer Quarterly Inspections

Note: In July 2013, the Electrical and Instrument Services Manager contacted GE regarding the capacitors in B-201 (items 10 and 11 on the checklist). Per GE, these capacitors do not contain PCBs. They have been removed from the PCB inventory and quarterly inspection checklist.

Crawford, Amy (US SSA)

From:

Foy, Matthew (US SSA)

Sent:

Tuesday, July 30, 2013 11:23 AM

To:

Bright, Michael (US SSA); Harper, Scott (US SSA); Boggs, Jeffery (US SSA); Alley, Calvin

(US SSA); Darnell, Justin (US SSA)

Cc:

Crawford, Amy (US SSA)

Subject:

Bldg 201 Pump House - Capacitors in basement

Importance:

High

All,

See confirmation below. These capacitors DO NOT contain PCB fluids. Hence, any all references to them being treated as such, should be discontinued.

Amy – if you will update environmental's records (PCB plan, SPCC plans (?)), I'll see that our PM is updated to remove these items from the inspection list.

Thanks,

Watt Fou

BAE Systems - Ordnance Systems Inc.

Manager, Electrical & Instrument Services

O: 423.578.6086

E: matthew.fov@baesystems.com

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From: ENERGY Parts Only Requests (GE Energy Services) [mailto:energy.partsonlyrequests@ge.com]

Sent: Tuesday, July 30, 2013 11:14 AM

To: Foy, Matthew (US SSA)
Subject: 43F763DA1 Capacitor

Hi Matt,

I spoke with my technical contact in regards to the Capacitor. Based off of the information you supplied me with.

The numbers on the Capacitor.

43F763DA1

1886733

161a8668p10

1

Holston Army Ammunition Plant 2013 PCB Annual Document Log Page 2

300v dc surge 200mfd non polar

My technical contact was able to conclude.

This is an electrolytic capacitor, it does not contain pyronol (PCB) fluid

I hope this helps. If you need any more information on this or anything else, come to us at the Parts Group.

Regards,

Michelle

	Due Date 1/8/2013 Last Complete 10/8/		Status Active	Houn	
	Due every 3 miths	Person Assigned C.A.J.D.	Proced	ure STF	
•	M Group Lineman, Facility Power	PM Category Inspection		9030	
	Notes 8/4/08- THIS PM MUST BE COMPL	LETED WITHIN THE FIRST MONTH OF EACH QUARTER			
em	Description		Procedure	Equip#	Comp
1	8-A Transformer (7146126)		STF 9030	S/N 7146126	
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use			A	
2	12-A Transformer (PLR49861)		STF 9030	S/N PLR49861	
	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use				Same
3	Transformer, Precipitator (L495599PMLB) 2150	Lbs	STF 9030	3/N L495599PMLI	E Samuel
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use Pyranol Fluid				Economyce cy
	Transformer, Precipitator (LA95603PMLB) 2150	Lbs	STF 9030	3/N L495603PMLI	E
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use Pyranol Fluid				
5	5-A Small Capacitator (MCC DOOR)		STF 9030	ID# 0045	1
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use				1.4
6	6-A Small Capacitator (MCC DOOR)	•	STF 9030	ID# 0046	at in the second
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use				
	7-A Small Capacitator (MCC DOOR)		STF 9030	ID# 0047	
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use				, ,
	20-A Small Capacitator (MCC DOOR)		STF 9030	ID# 0050	-
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use				tunia
	Capacitors (6) (30961)		STF 9030	HOL 30961	Same Same
	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use				
	Capacitor B201 Basement		STF 9030	HOL 60835	e .
	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use				
	Capacitor B201 Basement		STF 9030	HOL 60834	New Art
	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use				4 44

Wednesday, January 09, 2

Issue a work order if more than 30 minutes of maintenance repair time is required as a result of an inspection.

Page I of 2

Hoiston Army Ammunition Plant 2013 PCB Annual Document Log

PN	// / Inspection Checklist			
	PM / INSP#: 123 Building Area B-G PM Description: Visual Inspection - PCB Equipment xt Due Date 4/22/2013 Last Complete 1/22/2013 PM Completion Date: 3/36/13 Due every 3 mths Person Assigned 4/2002	Status Active	How lure STF	*
	PM Group Lineman, Facility Power PM Category Inspection Notes 8/4/08-THIS PM MUST BE COMPLETED WITHIN THE FIRST MONTH OF EACH QUARTER.		9030	
Item	Description	Procedure	Equipô	Comp
1	8-A Transformer (7146126) Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use	STF 9030	S/N 7146126	
2	12-A Transformer (PLR49861) Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use	be STF 9030	S/N PLR49861	
3	Transformer, Precipitator (L495599PMLB) 2150 ILbs Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use Pyranol Flukt	STF 9030	3/N L49 5599PML	E V
4	Transformer, Precipitator (L495603PMLB) 2150 Lbs Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use Pyranol Fluid	STF 9030	3/N L495803PML	
5	5-A Small Capacitator (MCC DOOR) Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use	STF 9030	ID# 0045	
6	6-A Small Capacitator (MCC DOOR) Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use	STF 9030	ID# 0046	
7	7-A Small Capacitator (MCC DOOR) Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use	STF 9030	ID# 0047	
8	29-A Small Capacitator (MCC DOOR) Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use	STF 9030	ID# 0050	V
9	Capacitors (6) (30961) Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use	STF 9030	HOL 30961	Z
10	Capacitor B201 Basement Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use	STF 9030	HOL 80835	V

Tuesday, March 26, 2013 Issue a work order if more than 30 minutes of maintenance repair time is required as a result of an inspection. **Holston Army Ammunition Plant** 2013 PCB Annual Document Log

11 Capacitor 8201 Basement

Check condition of equipment/leak or filming Check for equipment in use

Chack PCB Logo

Page 1 of 2

HOL 80834

STF 9030

	tt Due Date 6/26/2013 Last Complete 3/26/2013 PM Completion Date: 7-8-/3 Due every 3 mths Person Assigned 4/565	Status Active Procedure	Hours STF	-bassassassas
8	PM Group Lineman, Facility Power PM Category Inspection		9030	
•	Notes 8/4/08- THIS PM MUST BE COMPLETED WITHIN THE FIRST MONTH OF EACH QUAR	TER		
 M	Description	Procedure	Equip#	Comp
	8-A Transformer (7146126)	STF 9030	S/N 7146126	S James
	Check PCB Logo			
	12-A Transformer (PLR49861)	∩ STF 9030 §	3N PLR49861	0 mm - 200 mm
	Check condition of equipment/leaks or filming Check For equipment in use 12-A Transformer (PLR49861) Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use Transformer Procletator // 4955999881 R 2 3150 ii be	Amy 7/9/2013	4	
	Transformer, Precipitator (L495599PMLB) 2150 ILbs	STF 9030 3/I	V L495599PMLE	1
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use Pyranol Fluid			
	Transformer, Precipitator (L495803PMLB) 2150 Lbs	STF 9030 3/1	N L495603PMLE	3/
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use Pyranol Fluid	i ouwer it o		. *
	5-A Small Capacitator (MCC DOOR)	STF 9030	ID# 0045	
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use			
	6-A Small Capacitator (MCC DOOR)	STF 9030	ID# 0046	
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use			
	7-A Small Capacitator (MCC DOOR)	STF 9030	ID# 0047	L
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use			
	20-A Small Capacitator (MCC DOOR)	STF 9030	ID# 0050	-
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use Capacitors (6) (30861)	STF 9030	HOL 30961	
	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use Capacitor B201 Basement	STF 9030	HOL 60835	
	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use	011 3000	1106 00000	IV.
	Capacitor 8201 Basement	STF 9030	HOL 60834	1
	Check PCB Logo Check condition of equipment/leek or filming Check for equipment in use			₹.
	Bldg Q-A smell Copacitator - ADDel	D back to P Per Amy CRA	m = 1	ماء

Monday, July 08, 2013

Issue a work order if more than 30 minutes of maintenance repair time is required as a result of an inspection.

Page I of 2

Hoiston Army Ammunition Plant 2013 PCB Annual Document Log

PM Work Ticket			9/19/2013
No. Contra	315728	Statue:	Rec'd / Scheduled
Evente (Desc Studio	246709 PCB Equipment repeater	Make:	n/a
	ZOTO FERRE - A GARD PODE ESTABACIO	Model:	n/a
Mantananca Group	LINE - Lineman, Facility Power	Cost Center:	1-3400-19253
Equipment Owner:	Bright, Michael	Next U.A.	0.00
Area/Building #:	Area B-G - Area B - General Facility	Evertinense	
Location:	Various (see attached)	Last Companies	
centification 1		Typical Hours	3
Complication 2		Actual Hours	: 0
Generalian-s		Previous PM-WO#	: - 1/1/0001
Previous Notes:			
Specification:	Old PM-123; PCB Qrarterly inspection Typical	Duration: 1 hrs	
	See attached equipment listing.		
Request Description:	Visual inspections.		

Maintenance Notes:			
Attachments			
	.0Area_B_PCB_Checklist.pdf		
Maintenance Work Tic	ket Completion		
Completed By:		Date:	
Antedracas ml.			······································

Holston Army Ammunition Plant 2013 PCB Annual Document Log

21.207 EFFECTIVE 7-24-13

Copies of this checklist permitted to collect field data and check-off tasking as completed. Copies are to be printed from the PM Work Order attachment to ensure the current version is utilized during execution of the PM.

REFERENCES:

- PME-246 PCB Equipment Inspection
- * PM-123 Visual Inspection PCB Equipment Areas

NOTES:

Verify contents of the checklist while performing the PM. Note any required updates.

			East/iption, 4	Carlos Source State Stat
1	HOL	8200 – Precip. Roof	Transformer SN: L495699PMLB Pyranol fluid	
			Check PCB labeling legible / intact. Check general condition / integrity, signs of leakage.	
2	HOL	B200 – Precip. Roof	Transformer SN: L495803PMLB Pyranol fluid	
			Check PCB labeling legible / Intact. Check general condition / Integrity, signs of leakage.	02/

Completed on w/o 305728 9/19/2013

BAE Systems
Ordnance Systems, Inc.
Holston Army Ammunition Plant
2013 PCS Annual Document Log

Facilities Maintenance Kingsport, TN

<u> 24. 7</u> EFFECTIVE 7-24-13

SUMMARY OF CHANGES

n/a	n/a	n/a	Creating new Equipment Item
			into Preventive
			Maintenance.Net.

BAE Systems
Ordnance Systems, Jnc.
Holaton Army Ammunition Plant
2013 PCB Annual Document Log

Facilities Maintenance Kingsport, TN

PM Work Ticket			9/23/2013
Work Order R.	305727	Status:	Rec'd / Scheduled
	946 F. SAL-PCB Enginers respection	Make:	nia
Ban EXCOson Pron-	24017 CNE «Area-A PCB Enulpment inso	Model:	n/a
Maintanance Groups	LINE - Lineman, Facility Fores	Cost Center:	1-3400-19253
Equipment Owner:	Bright, Michael	Next Dua:	(O) (O)
Area/Building #:	Area A - Area A	Eventinarya	
Location:	Various (see attached)	East Completed	
identification-fi		Typical Hours:	3
Continue of the Continue of th		Actual Hours:	0
Gentropore		Previous PM-WO #	- 1/1/0001
Previous Notes:			
Specification:	Old PM-123; PCB Quarterly Inspection Typical	Duration: 2 hrs	
	See attached equipment listing.		
Request Description:	Visual inspections.		

Maintenance Notes:			

	04-04-04-04-04-04-04-04-04-04-04-04-04-0		
Attachments			
	Checklist.pdf, EventCheckList.pdf		
Maintenance Work Tic	ket Completion		
		Oste:	
Completed By:		the states of th	

Hoiston Army Ammunition Plant 2013 PCB Annual Document Log

Copies of this checklist permitted to collect field data and check-off tasking as completed. Copies are to be printed from the PM Work Order attachment to ensure the current version is utilized during execution of the PM.

REFERENCES:

- * PME-246 PCB Equipment inspection
- PM-123 Visual Inspection PCB Equipment Areas

Verify contents of the checklist while performing the PM. Note any required updates.

1		Bldg 8A,	Transformer		
		Ground Floor	SN: 7146126		
	54/50	rioui	Equipment not in service.		
***************************************	- 271/32		No power to bidg 8-A.		
***********			Check PCB labeling legible / Intact.	97	T.V.
			Check general condition / integrity,		δκ
***			signs of leakage.		
2	and the second	Bidg 8A, East side.	(6) Capacitors		***************************************
	<i>54/5</i> 0	storage	Surplus / obsolete equipment. Not In		
***********	-	***************************************	service. No power to bldg 8-A.		
************	-	-	Check PCB labeling legible / intact.	G/	C/
	Ĭ		Check general condition / integrity,	9	OK
3		ZA, MCC	signs of leakage.		
3	54/x	door	Capacitor		
**********			Check PCB labeling legible / intact.	g	OK .
			Check general condition / integrity,		
************	ļ		signs of leakage.		OK
4	SJ/50	5A, MCC door	Capacitor		
***********	ļ		Check PCB labeling legible / Intact.	5/	O.
			Check general condition / integrity,		OZ.
			signs of leakage.		CC .
5	54/30	6A, MCC door	Capacitor		***************************************
**********		<u> </u>	Check PCB labeling legible / intact.		~/\/
			Check general condition / integrity, signs of leakage.	S S	- &
6	54/30	7A, MCC door	Capacitor		***************************************
***********			Check PCB labeling legible / intact.		OK
			Check general condition / integrity,		OK -
************************			signs of leakage.		UK
7	5H/3h	20A, MCC door	Capacitor		· · · · · · · · · · · · · · · · · · ·
			Check PCB labeling legible / Intact.		0/
			Check general condition / integrity,		
			signs of leakage.	1.00	OK

BAE Systems
Ordnance Systems, inc.
Holaton Army Ammunition Plant
2013 PCB Annual Document Log

Facilities Maintenance Kingsport, TN 0/00 5105/01/P

BAE SYSTEMS

Ordnance Systems Inc.

FIN Work Heker			12/4/2013
Work Order #:	308324	Status:	Complete
Event # / Description:	2457 3M - PCB Equipment Inspection	Make:	n/a
item # / Descripiton:	2370 / LINE - Area-B PCB Equipment Insp	Model;	n/a
Maintenance Group:	LINE - Uneman, Facility Power	Cost Center:	1-3400-19253
Equipment Owner:	Bright, Michael	Next Due:	0/4/2014
Area/Building #:	Area B-G - Area B - General Facility	Event Interval:	
a de la Maria de Caracteria de Caracteria de la Caracteria de la Caracteria de Caracte	Various (see attached)	Last Completed:	12/4/2013 8:51:27 9/4
identification-1:		Typical Hours:	3
identification-2:	12.23	Actual Hours:	2
Identification-3:		Previous PM-WO #:	308324 - 12/4/2013
Previous Notes:			
Specification:	Old PM-123; PCB Qrarterly Inspection Typical I	Ouration: 1 hrs	
	See attached equipment listing.		
Request Description:	Visual inspections.		

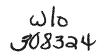
Maintenance Notes:			

Attachments			
EventCheckList.pdf, ID-2370-1.0	Area_B_PCB_Checklist.pdf		
Maintenance Work Tick	et Completion		
Completed By:		Date	

Holston Army Ammunition Plant 2013 PCB Annual Document Log

BAE SYSTEMS

Ordnance Systems Inc.



Event Checklist

Event #: 246

Event Description: 3M - PCB Equipment Inspection

Event Group: Lineman, Facility Power

Month Interval: 3

Work Category: Environmental

Scheduled Hours: 3

Event Next Due Date: 12/19/2013

Event Last Complete Date: 9/19/2013

Event Late Status: 4 - Current

Notes: Old PM-123; PCB Qrarterly Inspection Typical Duration: 1 hrs

See attached equipment listing.

EQ Item ID #:

Equipment item: LINE - Area-B PCB Equipment Insp

Building: Area B-G - Area B - General Facility

Owner: Bright, Michael

Identification 1:

Identification 2:

identification 3:

Completion Date:

Check Item Description	Procedure	Complete
Visual Inspections.	Visually inspect the equipment items containing PCB contaminated fluid, checking for leakage, gener	/

21.307 EFFECTIVE 7-24-13

Copies of this checklist permitted to collect field data and check-off tasking as completed. Copies are to be printed from the PM Work Order attachment to ensure the current version is utilized during execution of the PM.

REFERENCES:

- ◆ PME-246 PCB Equipment Inspection
- * PM-123 Visual Inspection PCB Equipment Areas

NOTES:

Verify contents of the checklist while performing the PM. Note any required updates.

		B. 1887 (17. 18. 18. 18. 18. 18. 18. 18. 18. 18. 18	Description			
1	HOL	8200 – Precip.	Transformer			
		Roof	SN: L495599PMLB Pyranol fluid			
	***************************************	*****	Check PCB labeling legible / intact.			
			Check general condition / integrity, signs of leakage.		Š	
2	ног	8200 Precip. Roof	Transformer SN: L495803PMLB Pyranol fluid			
	***************************************		Check PCB labeling legible / intact.	***************************************	9	
			Check general condition / integrity, signs of leakage.		9/	

8AE Systems Ordnance Systems, Inc. Holaton Army Ammunition Plant 2013 PCB Annual Document Log

Facilities Maintenance Kingsport, TN

VERSION: 1.0

79.70 EFFECTIVE 7-24-13

SUMMARY OF CHANGES

n/a	n/a	n/a	Creating new Equipment Item
			into Preventive
			Maintenance.Net.

Work Order #: 305726 Event # / Description: 246 / 3M - PCB Equipment inspection Make: n/a Item # / Description: 2370 / LINE - Area-B PCB Equipment insp Maintenance Group: LiNE - Line Crew Cost Center: 1-3400-19253 Requipment Owner: Bright, Michael Next Due: 7/28/2014 Area/Building #: Area B-G - Area B - General Facility Event interval: 3 Location: Various (see attached) Last Completed: 4/29/2014 8:31:10 AM Identification-1: Typical Hours: 2 Identification-3: Provious PM-WO #: 313404 - 4/29/2014 Previous Notes: Specification: Old PM-123; PCB Crarterly inspection Typical Duration: 1 ftrs See attached equipment listing. Request Description: Maintenance Notes: 4/19/13 - Boggs - completed this PM/WO and completed checklist. Attachments EventCheckList.pdf; ID-2370-1.0, _Area_B_PCB_Checklist.pdf Maintenance Work Ticket Completion Maintenance Work Ticket Completion	PM Work Ticket			6/16/2014
Item # / Description: 2370 / LINE - Area B PCB Equipment insp Model: n/a	Work Order #:	305728	Status:	Complete
Maintenance Group: LINE - Line Crew Cost Center: 1-3400-19253 Equipment Owner: Bright, Michael Area/Bullding #: Area B-G - Area B - General Facility Event Interval: 3 Location: Various (see attached) Last Completed: 4/29/2014 6:31:10 AM Identification-1: Typical Hours: 2 Identification-2: Actual Hours: 2 Identification-3: Previous PM-WO #: 313404 - 4/29/2014 Previous Notes: Specification: Old PM-123; PCB Crarterly Inspection Typical Duration: 1 hrs See attached equipment listing. Request Description: Maintenance Notes: 8/19/13 - Boggs - completed this PM/WO and completed checklist. Attachments EventCheckList.pdf, ID-2370-1.0Area_B_PCB_Checklist.pdf Maintenance Work Ticket Completion	Event # / Description:	246 / 3M - PCB Equipment Inspection	Make:	n/a
Equipment Owner: Bright, Michael Area B-G - Area B - General Facility Location; Various (see attached) Lest Completed: 4/29/2014 6:31:10 AM Identification-1: Identification-2: Actual Hours: 2 Identification-3: Previous Notes: Specification: Old PM-123; PCB Crarterly Inspection Typical Duration: 1 hrs See attached equipment listing: Request Description: Maintenance Notes: Ø/19/13 - Boggs - completed this PM/WO and completed checklist. Attachments EventCheckList pdf, ID-2370-1-0Area_B_PCB_Checklist.pdf Maintenance Work Tricket Completion	item # / Descripiton:	2370 / LINE - Area-B PCB Equipment Insp	Model:	n/a
Area/Building #: Area B-G - Area B - General Facility Location: Various (see attached) Last Completed: 4/29/2014 6:31:10 AM Identification-1: Identification-2: Actual Hours: 2 Identification-3: Previous Notes: Specification: Old PM-123; PCB Quarterly Inspection Typical Duration: 1 hrs See attached equipment listing. Request Description: Maintenance Notes: 9/19/13 - Boggs - completed this PM/WO and completed checklist. Attachments EventCheckList pdf, ID-2370-1.0Area_B_PCB_Checklist.pdf Maintenance Work-Ticket Completion	Maintenance Group:	LINE - Line Crew	Cost Center:	1-3400-19253
Location: Various (see attached) Identification-1: Typical Hours: 3 Identification-2: Actual Hours: 2 Identification-3: Previous PM-WO #: 313404 - 4/29/2014 Previous Notes: Specification: Old PM-123; PCB Qrarterly Inspection Typical Duration: 1 hrs See attached equipment listing. Request Description: Maintenance Notes: 9/19/13 - Boggs - completed this PM/WO and completed checklist. Attachments EventCheckList.pdf, ID-2370-1.0Ares_B_PCB_Checklist.pdf Maintenance Work Tricket Completion	Equipment Owner:	Bright, Michael	Next Due:	7/29/2014
Identification-1: Typical Hours: 3 Identification-2: Actual Hours: 2 Identification-3: Previous PM-WO #: 313404 - 4/29/2014 Previous Notes: Specification: Old PM-123; PCB Grarterly Inspection Typical Duration: 1 hrs See attached equipment listing. Request Description: Maintenance Notes: 9/19/13 - Boggs - completed this PM/WO and completed checklist. Attachments EventCheckList.pdf, ID-2370-1.0Area_B_PCB_Checklist.pdf Maintenance Work Ticket Completion	Area/Building #:	Area B-G - Area B - General Facility	Event interval:	3
Identification-2: Actual Hours: 2 Identification-3: Previous PM-WO #: 313404 - 4/29/2014 Previous Notes: Specification: Old PM-123; PCB Qrarterly inspection Typical Duration: 1 hrs See attached equipment listing. Request Description: Maintenance Notes: 9/19/13 - Boggs - completed this PM/WO and completed checklist. Attachments EventCheckList.pdf, ID-2370-1.0Area_B_PCB_Checklist.pdf Maintenance Work Ticket Completion	Location:	Various (see attached)	Last Completed:	4/29/2014 6:31:10 AM
Identification-3: Previous PM-WO #: 313404 - 4/29/2014 Previous Notes: Specification: Old PM-123; PCB Qrarterly Inspection Typical Duration: 1 hrs See attached equipment listing. Request Description: Maintenance Notes: 9/19/13 - Boggs - completed this PM/WO and completed checklist. Attachments EventCheckList.pdf, ID-2370-1.0Area_B_PCB_Checklist.pdf Maintenance Work Ticket Completion	Identification-1:		Typical Hours:	3
Previous Notes: Specification: Old PM-123; PCB Qrarterly Inspection Typical Duration: 1 hrs See attached equipment listing. Request Description: Maintenance Notes: 9/19/13 – Boggs - completed this PM/WO and completed checklist. Attachments EventCheckList.pdf, ID-2370-1.0Ares_B_PCB_Checklist.pdf Maintenance Work Ticket Completion	Identification-2:		Actual Hours:	2
Specification: Old PM-123; PCB Qrarterly inspection Typical Duration: 1 hrs See attached equipment listing. Request Description: Maintenance Notes: 8/19/13 - Boggs - completed this PM/WO and completed checklist. Attachments EventCheckList.pdf, ID-2370-1.0Area_B_PCB_Checklist.pdf Maintenance Work Ticket Completion	Identification-3:		Previous PM-WO #:	313404 - 4/29/2014
See attached equipment listing. Request Description: Maintenance Notes: 9/19/13 - Boggs - completed this PM/WO and completed checklist. Attachments EventCheckList.pdf, ID-2370-1.0 Area_B_PCB_Checklist.pdf Maintenance Work Ticket Completion	Previous Notes:		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
See attached equipment listing. Request Description: Maintenance Notes: 9/19/13 - Boggs - completed this PM/WO and completed checklist. Attachments EventCheckList.pdf, ID-2370-1.0 Area_B_PCB_Checklist.pdf Maintenance Work Ticket Completion				
Maintenance Notes: 9/19/13 - Boggs - completed this PM/WO and completed checklist. Attachments EventCheckList.pdf, ID-2370-1.0Area_B_PCB_Checklist.pdf Maintenance Work Ticket Completion	Specification:	Old PM-123; PCB Qrarterly Inspection Typic	eal Duration: 1 hrs	
Maintenance Notes: 9/19/13 - Boggs - completed this PM/WO and completed checklist. Attachments EventCheckList.pdf, ID-2370-1.0Area_B_PCB_Checklist.pdf Maintenance Work Ticket Completion		See attached equipment listing.		
Attachments EventCheckList.pdf, ID-2370-1.0Area_B_PCB_Checklist.pdf Maintenance Work Ticket Completion	Request Description:			
Attachments EventCheckList.pdf, ID-2370-1.0Area_B_PCB_Checklist.pdf Maintenance Work Ticket Completion				
Attachments EventCheckList.pdf, ID-2370-1.0Area_B_PCB_Checklist.pdf Maintenance Work Ticket Completion				
Attachments EventCheckList.pdf, ID-2370-1.0Area_B_PCB_Checklist.pdf Maintenance Work Ticket Completion				**************************************
EventCheckList.pdf, ID-2370-1.0Area_B_PCB_Checklist.pdf Maintenance Work Ticket Completion	Maintenance Notes:	9/19/13 - Boggs - completed this PM/WO an	d completed checklist.	
EventCheckList.pdf, ID-2370-1.0Area_B_PCB_Checklist.pdf Maintenance Work Ticket Completion				
EventCheckList.pdf, ID-2370-1.0Area_B_PCB_Checklist.pdf Maintenance Work Ticket Completion				
EventCheckList.pdf, ID-2370-1.0Area_B_PCB_Checklist.pdf Maintenance Work Ticket Completion				
EventCheckList.pdf, ID-2370-1.0Area_B_PCB_Checklist.pdf Maintenance Work Ticket Completion	,			
EventCheckList.pdf, ID-2370-1.0Area_B_PCB_Checklist.pdf Maintenance Work Ticket Completion	Attack woods			
Maintenance Work Ticket Completion		.0 - Area B PCB Checklist pdf		
	,			
Work Order Complete?	Maintenance Work Tick	et Completion		
Yes No	Work Order Complete?	l 🔲	Date:	

Hoiston Army Ammunition Plant 2013 PCS Annual Document Log



Ordnance Systems Inc.

Event Checklist

Event #: 246

Event Description: 3M - PCB Equipment Inspection

Event Group: Lineman, Facility Power

Month Interval: 3

Work Category: Environmental

Scheduled Hours: 3

Event Next Due Date: 12/23/2013

Event Last Complete Date: 9/23/2013

Event Late Status: 4 - Current

Notes: Old PM-123; PCB Quarterly Inspection Typical Duration: 2 hrs

See attached equipment listing.

EQ Item ID #:

Equipment item: LiNE - Area-A PCB Equipment Insp

Building: Area A - Area A

Owner: Bright, Michael

Identification 1:

Identification 2:

Identification 3:

Completion Date:

Check Item Description
Procedure

Complete

Visual Inspections.
Visually inspect the equipment items containing PCB contaminated fluid, checking for Isakage, gener

77, 2 EFFECTIVE 7-24-13

Copies of this checklist permitted to collect field data and check-off tasking as completed. Copies are to be printed from the PM Work Order attachment to ensure the current version is utilized during execution of the PM.

REFERENCES:

- PME-246 PCB Equipment Inspection
- PM-123 Visual Inspection PCB Equipment Areas

Verify contents of the checklist while performing the PM. Note any required updates.

		St. Description			
1	l nine out	Transformer			
	Ground	SN: 7146126		***************************************	
	Floor	Equipment not in service.			:
	***************************************	No power to bidg 8-A.			
		Check PCB labeling legible / intact.		3	
		Check general condition / Integrity,		G/	***************************************
		signs of leakage.			
2	Bldg 8A,	(6) Capacitors			***************************************
	East side,	Surplus / obsolete equipment. Not in			
	storage	service. No power to bldg 8-A.			
		Check PCB labeling legible / Intact.	***************************************	8	***************************************
		Check general condition / integrity,	***************************************	9	
		signs of leakage.			
3	2A, MCC door	Capacitor	·	•••••	
		Check PCB labeling legible / intact.			
		Check general condition / integrity,		G/	
	1	signs of leakage.			
4	5A, MCC door	Capacitor			
		Check PCB labeling legible / intact.			······································
		Check general condition / integrity, signs of leakage.			***************************************
5	6A, MCC door	Capacitor			
		Check PCB labeling legible / Intact.		o/	***************************************
		Check general condition / integrity, signs of leakage.		G/	
6	7A, MCC door	Capacitor			
		Check PCB labeling legible / intact.	-		***************************************
	·····	Check general condition / integrity,		G/	
	****	signs of leakage.		· 1367	
7	20A, MCC door	Capacitor	•		
		Check PCB labeling legible / intact.		G 7	
		Check general condition / integrity,			······································
		signs of leakage.		LIMP	
		100			

BAE Systems
Ordnance Systems, Inc.
Holston Army Ammunition Plant
2013 PC# Annual Document Log

Facilities Maintenance Kingsport, TN

27. 23 EFFECTIVE 7-24-13

SUMMARY OF CHANGES

n/a	n/a	,	Creating new Equipment Item
			Into Preventive
	***************************************		Maintenance.Net.

BAE Systems
Ordnance Systems, Inc.
Holston Army Ammunition Plant
2013 PCB Annual Document Log

Facilities Maintenance Kingsport, TN

PM / Inspection Checklist

	Due Date 1/8/2013 Last Complete 10/8/20	12 PM Completion Date: <u>1/7/13</u>	Status Active	Hour	*
	Due every 3 mths	Person Assigned <u>C.A.J.D</u>	Proced	ure STF	
	M Group Lineman, Facility Power	PM Category Inspection		9030	
	Notes 8/4/08-THIS PM MUST BE COMPLET	TED WITHIN THE FIRST MONTH OF EACH QUARTER.			
n	Description		Procedure	Equip®	Comp
	8-A Transformer (7146125)		STF 9030	S/N 7146126	
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use				
	12-A Transformer (PLR49861) Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use		STF 9030	S/N PLR49861	
	Transformer, Precipitator (L495599PMLB) 2150 ILb	**************************************	STF 9030	3/N L495599PML	
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use Pyranol Fluid				1
	Transformer, Precipitator (L493603PMLB) 2150 Lb		STF 9030	3N L495603PML	£
	Check PCB Logo Check condition of equipment/leaks or fliming Check For equipment in use Pyranol Fluid				ŧ
	5-A Small Capacitator (MCC DOOR)		STF 9030	ID# 0045	11
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use				L.S.
	6-A Small Capacitator (MCC DOOR)		STF 9030	ID# 0046	
_	Check PCB Logo Check conditon of equipment/leaks or filming Check For equipment in use				L
	7-A Small Capacitator (MCC DOOR)		STF 9030	ID# 0047	1 20
	Check PCB Logo Check conditon of equipment/leaks or filming Check For equipment in use				, ***
	20-A Small Capacitator (MCC DOOR)		STF 9030	ID# 0050	,,,,,,,,
	Check PCB Logo Check conditon of equipment/leaks or filming Check For equipment in use				1
	Capacitors (6) (30961)		STF 9030	HOL 30961	. Married in
	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use				1
	Capacitor B201 Basement		STF 9030	HOL 60835	9
	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use				
	Capacitor B201 Basement		STF 9030	HOL 60834	- 14400
	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use				-00 -00

Wednesday, January 09, 2

Issue a work order if more than 30 minutes of maintenance repair time is required as a result of an inspection.

Holston Army Ammunition Plant 2013 PCB Annual Document Log Page I of 2

H	VI / Inspection Checklist			
A - Managan	PM / INSP#: 123 Building Area B-G PM Description: Visual Inspection - PCB Equipment / Area	8		
N	Due every 3 mths Person Assigned Nagra A	tatus Active Procedure		
	PM Group Lineman, Facility Power PM Category Inspection Notes 8/4/08-THIS PM MUST BE COMPLETED WITHIN THE FIRST MONTH OF EACH QUARTER.		9030	
Iten		Procedure	En: lad	*******
1	8-A Transformer (7146126) Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use	STF 9030	Equip# S/N 7146126	Comp
2			S/N PLR49861	
3	Transformer, Precipitator (L495599PMLB) 2150 iLbs Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use Pyranol Fluid		N L495599PMLE	V
4	Transformer, Precipitator (L495603PMLB) 2150 Lbs Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use Pyranol Fluid	STF 9030 3	N L495603PMLE	
5	5-A Small Capacitator (MCC DOOR) Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use	STF 9030	ID# 0045	
6	6-A Small Capacitator (MCC DOOR) Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use	STF 9030	10# 0048	
7	7-A Small Capacitator (MCC DOOR) Check PCB Logo Check condition of squipment/leaks or filming Check For equipment in use	STF 9030	ID# 0047	V
8	20-A Small Capacitator (MCC DOOR) Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use	STF 9030	ID# 0050	
9	Capacitors (6) (30961) Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use	STF 9030	HOL 30961	Ø
10	Capacitor B201 Basement Check PCB Logo	STF 9030	HOL 60835	V
11	Check for equipment in use Capacitor B201 Basement Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use	STF 9030	HOL 60834	

DOESN'T EXIST

rch 26, 2013 Issue a work order if more than 30 minutes of maintenance repair time is required as a result of an inspection.

Holston Army Ammunition Plant Tuesday, March 26, 2013 2013 PCB Annual Document Log

Page I of 2

PM / Inspection Checklist

	xt Due Date 6/26/2013 Last Complete 3/26/2013 PM Completion Date: 75-75-75 Due every 3 mths Person Assigned 4/56	Procedure	Hours	
	PM Group Lineman, Facility Power PM Category Inspection		9030	
	Notes 8/4/08- THIS PM MUST BE COMPLETED WITHIN THE FIRST MONTH OF EACH QUART	TER.		
**	Description	Procedure	Equip#	Comp
	8-A Transformer (7146126)	STF 9030	S/N 7146126	T W
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use Not in USC			
	12-A Transformer (PLR49861) Remaind From Pr	STF 9030	S/N PLR49861	[
	12-A Transformer (PLR49861) Check PCB Logo Check condition of squipment/leak or filming Check for equipment in use Removed From Properties Removed Removed Control of the condition of squipment in use	Amy 2/9/2013	4	١.
	Transformer, Precipitator (L495599PMLB) 2150 ILbs	STF 9030	IN L495599PMLE	7
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use Pyranol Fluid			
	Transformer, Precipitator (L495603PMLB) 2150 Lbs	STF 9030	3/N L495603PMLE	1
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use Pyranol Fluid			8 7
	5-A Small Capacitator (MCC DOOR)	STF 9030	ID# 0045	L
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use			
	6-A Small Capacitator (MCC DOOR)	STF 9030	ID# 0046	ø
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use			
	7-A Small Capacitator (MCC DOOR)	STF 9030	ID# 0047	V
	Check PCB Logo Check condition of equipment/leaks or filming Check For equipment in use	W 7		
	20-A Small Capacitator (MCC DOOR) Check PCB Logo	STF 9030	ID# 0050	
	Check Condition of equipment/leaks or filming Check For equipment in use Capacitors (6) (30981)	STF 9030	HOL 30961	
	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use			\$ *
	Capacitor B201 Basement	STF 9030	HOL 60835	
	Check PCB Logo Check condition of equipment/leak or filming Check for equipment in use			1 8.
	Capacitor B201 Basement Chack PCB Logo Chack condition of equipment/leak or filming	STF 9030	HOL 60834	~
	Check for equipment in use		··· 90 · · · · · · · · · · · · · · · · ·	anas, san saare
	Bldg 2-A smell Copacitator - ADDED MCC Door	DACK to F Per Amy CRA)m -1	1

Monday, July 08, 2013

Issue a work order if more than 30 minutes of maintenance repair time is required as a result of an inspection.

Page 1 of 2

Hoiston Army Ammunition Plant 2013 PCB Annual Document Log

Status: Rec'd / Scheduled Wake: r/a Make: r/a Model: n/a Model: n/a Cost Center: 1-3400-19253 Equipment Owner: Bright, Michael Area/Bullding \$. Area B - General Facility Location: Various (see attached) Typical Mours: 3 Actual Mours: 0 Previous PM-WO \$: - 1/1/0001 Previous Notes: Specification: Old PM-123; PCB Crarterly inspection Typical Duration: 1 hrs See attached equipment listing: Request Description: Visual inspections. Maintenance Notes: Maintenance Notes: EventCheckList.pdf, ID-2370-1.0Area_B_PCB_Checklist.pdf	PM Work Ticket			9/19/2013
Model: n/a Previous Posture 2017 Previous Posture Request Description: Cost Center: 1-3400-19253	Avera Certain	05728	Status:	Rec'd / Scheduled
Equipment Owner: Bright, Michael Area/Building #: Area B-G - Area B - General Facility Location: Verlous (see attached) Actual Hours: 0 Previous PM-WO #: - 1/1/0001 Previous PM-WO #: - 1/1/0001 Request Description: Maintenance Notes: Maintenance Notes:	EXPORT DESCRIPTION	246 / SAL-POR Equipment inspection	Make:	n/s
Equipment Owner: Bright, Michael Area/Bullding #: Area B-G - Area B - General Facility Location: Various (see attached) Typical Hours: 3 Actual Hours: 0 Previous PM-W0 #: - 1/1/0001 Previous Notes: SpecMication: Old PM-123; PCB Qrarterly inspection Typical Duration: 1 hrs See attached equipment listing. Request Description: Visual inspections. Maintenance Notes:		ACTO LONG. AVEN-EFFCG ESCURPHICAL	Model:	n/e
Area/Building #: Area B-G - Area B - General Facility Location: Various (see attached) Typical Hours: 3 Actual Hours: 0 Previous Notes: Specification: Old PM-123; PCB Grarterly inspection Typical Duration: 1 hrs See attached equipment listing. Request Description: Visual inspections. Maintenance Notes:	Maintenance Group:	CINE - Cineman, Foddiny Poksi		
Location: Various (see attached) Typical Hours: 3 Actual Hours: 0 Previous PM-WO #: - 1/1/0001 Previous Notes: Specification: Old PM-123; PCB Crarterly inspection Typical Duration: 1 hrs See attached equipment listing. Request Description: Visual inspections. Maintenance Notes:	Equipment Owner:	Bright, Michael		
Typical Rours: 3 Actual Hours: 0 Previous PM-WO #: -1/1/0001 Previous Notes: Specification: Old PM-123; PCB Grarterly inspection Typical Duration: 1 hrs See stlached equipment listing. Request Description: Visual inspections. Maintenance Notes:	_			
Actual Hours: 0 Previous PM-WO #: - 1/1/0001 Previous PM-WO #: -	<u>.</u>			
Previous Notes: Specification: Old PM-123; PCB Qrarterly inspection Typical Duration: 1 hrs See attached equipment listing. Request Description: Visual inspections. Maintenance Notes:				
Specification: Old PM-123; PCB Qrarterly inspection Typical Duration: 1 hrs See attached equipment listing. Request Description: Visual inspections. Maintenance Notes:				
Specification: Old PM-123; PCB Qrarterly inspection Typical Duration: 1 hrs See attached equipment listing. Request Description: Visual inspections. Maintenance Notes: Attachments			Previous PM-WO 8:	- 1/1/0001
See attached equipment listing. Visual inspections. Maintenance Notes: Attachments	Previous Notes:			***************************************
See attached equipment listing. Visual inspections. Maintenance Notes: Attachments				
Request Description: Naintenance Notes: Attachments	Specification:		Ouration: 1 hrs	
Maintenance Notes: Attachments		See attached equipment listing.		
Attachments	Request Description:	Visual inspections.		
Attachments				
Attachments				
Attachments				
	Maintenance Notes:			

EventCheckList.pdf, ID-2370-1.0Area_B_PCB_Checklist.pdf	Attachments			
	EventCheckList.pdf, ID-2370-1	.0Area_B_PCB_Checklist.pdf		
Maintenance Work Ticket Completion	Maintenance Work Tic	ket Completion		
Completed Die	Completed By:		Date:	
2.491761191191191777777	the same and the s	······································		

Hoiston Army Ammunition Plant 2013 PCB Annual Document Log

2.27 7-24-13

Copies of this checklist permitted to collect field data and check-off tasking as completed. Copies are to be printed from the PM Work Order attachment to ensure the current version is utilized during execution of the PM.

REFERENCES:

- ◆ PME-246 PCB Equipment Inspection
- * PM-123 Visual Inspection PCB Equipment Areas

NOTES:

Verify contents of the checklist while performing the PM. Note any required updates.

			Lesc iptions		
1	HOL	B200 — Precip. Roof	Transformer SN: L495599PMLB Pyranol fluid		
***************************************			Check PCB labeling legible / intact. Check general condition / integrity, signs of leakage.	1	
2	ног	B200 — Precip. Roof	Transformer SN: L495603PMLB Pyranol fluid	:	,
~~~~~		***************************************	Check PCB labeling legible / Intact.  Check general condition / integrity, signs of leakage.	<b>10</b> 2/	

Completed on w/o 305728 9/19/2013

BAE Systems
Ordnence Systems, Inc.
Holston Army Ammunition Plant
2013 FCB Annual Document Log

Facilities Maintenance Kingsport, TN

29. 767 EFFECTIVE 7-24-13

### **SUMMARY OF CHANGES**

n/a	n/a	n/a	Creating new Equipment Item
			into Preventive
			Maintenance.Net.

BAE Systems
Ordnance Systems Inc.
Holston Army Ammunition Plant
2013 PCS Annual Document Log

Facilities Maintenance Kingsport, TN Page 2 of 2

PM Work Ticket			9/23/2013
Work Cross &	305727	Status:	Rec'd / Scheduled
Express Constitution	2661 8M FCB Eduction (1994CIO)	Make:	n/a
Britis Descriptions	LADI VENES Altera PGG Equipment insid	Model:	n/a
Maintenance Group:	INE - Improving Facility Folia	Coet Center:	1-3400-19253
Equipment Owner:	Bright, Michael	Mex. D.G.	
Ares/Building #:	Area A - Area A Various (see attached)	East Completed	
Gentification 1:		Typical Hours:	
denunceron 2		Actual Hours:	
(sentification-3)		Previous PM-WO #	- 1/1/0001
Previous Notes:			
Specification:	Old PM-123; PCB Quarterly Inspection Typical	Duration: 2 hrs	
	See attached equipment listing.		
Request Description:	Visual inspections.		
			***
Maintenance Notes:			
Attachments			
	Checklist.pdf, EventCheckList.pdf		
Maintenance Work Tic	ket Completion		
Completed By:		Date:	
	***************************************		

Hoiston Army Ammunition Plant 2013 PCB Annual Document Log

79. 3 EFFECTIVE 7-24-13

Copies of this checklist permitted to collect field data and check-off tasking as completed. Copies are to be printed from the PM Work Order attachment to ensure the current version is utilized during execution of the PM.

### **REFERENCES:**

- PME-246 PCB Equipment Inspection
- PM-123 Visual Inspection PCB Equipment Areas

Verify contents of the checklist while performing the PM. Note any required updates.

			Continue Transformer			
1	54/30	Bidg 8A, Ground Floor	Transformer SN: 7146126 Equipment not in service. No power to bidg 8-A.			1,111
			Check PCB labeling legible / Intact.	<del> </del>	87	- OX
			Check general condition / Integrity, signs of leakage.		Ď	ĎK.
2	<i>945</i> 0	Bidg 8A, East side, storage	(6) Capacitors Surplus / obsolete equipment. Not in service. No power to bidg 8-A.			
***************************************			Check PCB labeling legible / Intact.		9/	CAT .
			Check general condition / integrity, signs of leakage.		8	OK
3	54/50	2A, MCC door	Capacitor		•••••••••••	
***************************************		<b>_</b>	Check PCB labeling legible / Intact.		8	OK
			Check general condition / integrity, signs of leakage.		O	OK
4	<i>34/30</i>	5A, MCC door	Capacitor			
		ļ	Check PCB labeling legible / Intact.		5/	O.
······································			Check general condition / integrity, signs of leakage.			a.
5	54/30	6A, MCC door	Capacitor			
·····			Check PCB labeling legible / Intact.			<u>Q</u>
***************************************			Check general condition / integrity, signs of leakage.		9/	<b>X</b>
6	54/30	7A, MCC door	Capacitor		***************************************	
~~~~	ļ		Check PCB labeling legible / Intact.			OK
			Check general condition / integrity, signs of leakage.		V	OK
7	5H/30	20A, MCC door	Capacitor			<u>.</u>
***************************************	ļ		Check PCB labeling legible / Intact.		G /	0/
			Check general condition / integrity, signs of leakage.		V	OK .

BAE Systems
Ordnance Systems, Inc.
Holston Army Ammunition Plant
2013 PCB Annual Document Log

Facilities Maintenance Kingsport, TN W/0 305727 9/19/2013

PM Work Ticket			12/4/2013
Work Order #	308324	Status:	Complete
Event#/Description:	246 / 3M - PCB Equipment Inspection	Make:	•
item # / Descripiton:	2370 / LINE - Area-B PCB Equipment Inap	Model:	n/a
Maintenance Group:	LINE - Lineman, Facility Power	Cost Center:	1-3400-19253
Equipment Owner:	Bright, Michael	Next Due:	34/2014
Area/Building #:	Area B-G - Area B - General Facility	Event interval:	
Location:	Various (see attached)	Last Completed:	12/4/2013 6:51:27 AA
Identification-1:		Typical Hours:	3
Identification-2:		Actual Hours:	2
Identification-3:		Previous PM-WO #:	308324 - 12/4/2013
Previous Notes:			
Specification:	Old PM-123; PCB Qrarterly Inspection Typical D	uration: 1 hrs	
	See attached equipment listing.		
Request Description:	Visual inspections.		
Maintenance Notes:			
Attachments			
EventCheckList.pdf, ID-2370-1.0	Area_B_PCB_Checklist.pdf		
Maintenance Work Tick	et Completion		
Completed By:		Date:	

Hoiston Army Ammunition Plant 2013 PCB Annual Document Log

BAE SYSTEMS

Ordnance Systems Inc.

Event Checklist

Event #: 246

Event Description: 3M - PCB Equipment Inspection

Event Group: Lineman, Facility Power

Month Interval: 3

Work Category: Environmental

Scheduled Hours: 3

Event Next Due Date: 12/19/2013

Event Last Complete Date: 9/19/2013

Event Late Status: 4 - Current

Notes: Old PM-123; PCB Qrarterly Inspection Typical Duration: 1 hrs

See attached equipment listing.

EQ Item ID #:

Equipment Item: LINE - Area-8 PCB Equipment Insp

Building: Area B-G - Area B - General Facility

Owner: Bright, Michael

identification 1:

Identification 2:

Identification 3:

Completion Date:

Check Item Description	Procedure	Complete
Visual inspections.	Visually inspect the equipment iterms containing PCB contaminated fluid, checking for leakage, gener	/

21.7m2 1-24-13

Copies of this checklist permitted to collect field data and check-off tasking as completed. Copies are to be printed from the PM Work Order attachment to ensure the current version is utilized during execution of the PM.

REFERENCES:

- * PME-246 PCB Equipment Inspection
- PM-123 Visual Inspection PCB Equipment Areas

NOTES:

Verify contents of the checklist while performing the PM. Note any required updates.

		Littati	Description		
1	HOL	B200 – Precip. Roof	Transformer SN: L495599PMLB Pyranol fluid		- Comments
***************************************			Check PCB labeling legible / Intact.		
			Check general condition / integrity, signs of leakage.	G/	
2	HOL	8200 – Precip. Roof	Transformer SN: L495603PMLB Pyranol fluid	***************************************	
~~~			Check PCB labeling legible / Intact.	 3/	
			Check general condition / integrity, signs of leakage.	Ġ/	

BAE Systems
Ordnance Systems, Inc.
Holaton Army Ammunition Plant
2013 PCB Annual Document Log

Facilities Maintenance Kingsport, TN

### **SUMMARY OF CHANGES**

n/a	n/a	n/a	Creating new Equipment Item
			into Preventive
			Maintenance.Net.

BAE Systems
Ordnance Systems inc.
Hoiston Army Ammunition Plant
2013 PCB Annual Document Log

Facilities Maintenance Kingsport, TN

Holston Army Ammunition Plant 2013 PCS Annual Document Log

PM Work Ticket			6/16/2014
Work Order #:	305728	Status:	Complete
Event # / Description:	246 / 3M - PCB Equipment Inspection	Make:	n/a
Item # / Descripiton:	2370 / LINE - Area-B PCB Equipment Insp	Model:	n/a
Maintenance Group:	LINE - Line Crew	Cost Center:	1-3400-19253
Equipment Owner:	Bright, Michael	Next Due:	7/29/2014
Area/Building #:	Area B-G - Area B - General Facility	Event Interval:	3
Location:	Various (see attached)	Last Completed:	4/29/2014 6:31:10 AM
identification-1:		Typical Hours:	3
Identification-2:		Actual Hours:	2
Identification-3:		Previous PM-WO #:	313404 - 4/29/2014
Previous Notes:			
Specification:	Old PM-123; PCB Qrarterly Inspection Typica	al Duration: 1 hrs	
	See attached equipment listing.		
Request Description:			
Maintenance Notes:	9/19/13 - Boggs - completed this PM/WO and	d completed checklist.	
:			
,			
Attachments			
	.0Area_B_PCB_Checklist.pdf		
Maintenance Work Tick	set Completion		
Work Order Complete?		Date:	
York Order Complete? Yes	No	Udle	

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### BAE SYSTEMS

### Ordnance Systems Inc.

### **Event Checklist**

Event #: 246

Event Description: 3M - PCB Equipment Inspection

Event Group: Lineman, Facility Power

Month Interval: 3

Work Category: Environmental

Scheduled Hours: 3

Event Next Due Date: 12/23/2013

Event Last Complete Date: 9/23/2013

Event Late Status: 4 - Current

Notes: Old PM-123; PCB Quarterly Inspection Typical Duration: 2 hrs

See attached equipment listing.

EQ Item ID #:

Equipment Item: LINE - Area-A PCB Equipment Insp

Building: Area A - Area A

Owner: Bright, Michael

Identification 1:

identification 2:

Identification 3:

**Completion Date:** 

Check Item Description	Procedure	Complete
Visual inspections.	Visually inspect the equipment iterms containing PCB contaminated fluid, checking for leakage, gener	



77. 2 EFFECTIVE 7-24-13

Copies of this checklist permitted to collect field data and check-off tasking as completed. Copies are to be printed from the PM Work Order attachment to ensure the current version is utilized during execution of the PM.

### REFERENCES:

- ◆ PME-246 PCB Equipment Inspection
- ♦ PM-123 Visual Inspection PCB Equipment Areas

Verify contents of the checklist while performing the PM. Note any required updates.

		2 Description			
1	DIOS BA,	Transformer			
	Ground	SN: 7146126			
	Floor	Equipment not in service.			
	***************************************	No power to bidg 8-A.			
		Check PCB labeling legible / intact.	1		
		Check general condition / integrity,		G/	
		signs of leakage.			
2	Bldg 8A,	(6) Capacitors		***************************************	
	East side,	Surplus / obsolete equipment. Not in			
	storage	service. No power to bldg 8-A.			
		Check PCB labeling legible / intact.		S.	***************************************
		Check general condition / integrity,		9	
		signs of leakage.			
3	2A, MCC door	Capacitor			
		Check PCB labeling legible / intact.	:	9	***************************************
		Check general condition / integrity,		Q/	***************************************
		signs of leakage.			
4	5A, MCC door	Capacitor			
		Check PCB labeling legible / intact.		G/	······································
		Check general condition / integrity, signs of leakage.		9	
5	6A, MCC door	Capacitor			
		Check PCB labeling (egible / intact.	-	S/	
		Check general condition / integrity,			
		signs of leakage.		******	
6	7A, MCC door	Capacitor		-	
		Check PCB labeling legible / Intact.		<b>0</b> /	***************************************
		Check general condition / integrity,	1		***************************************
		signs of leakage.			
7	20A, MCC door	Capacitor			
		Check PCB labeling legible / Intact.	<b>†</b>		***************************************
		Check general condition / integrity,			
		signs of leakage.			

BAE Systems
Ordnance Systems, Inc.
Moiston Army Ammunition Plant
2013 PCB Annual Document Log

Facilities Maintenance Kingsport, TN

707. 72-13

### SUMMARY OF CHANGES

		-/-	
n/a	n/a	n/a	Creating new Equipment Item
			into Preventive
			Maintenance.Net.

BAE Systems
Ordnance Systems, Inc.
Holston Army Ammunition Plant
2013 PCB Annual Document Log

Facilities Maintenance Kingsport, TN

### BAE SYSTEMS

Ordnance Systems Inc.

## PCB INVENTORY – DECEMBER 31, 2013 HOLSTON ARMY AMMUNITION PLANT

·····		·····	****								<b></b>
	200, boiler#1	200, boiler#2	8A, elect Rin	12A	8A, elect. Rm.	2A, MCC	5A, MCC	, 6A, MCC	7A, MCC	20A, MCC	
PCB COMC.	889	>500	>500	63	>500	>500	>500	>500	>500	>500	
	446.9	446.9	1406.1	17679.8	49.1						20028.8
WOLUME (mail)	82	82	258	3244	တ	2	2	2	2	Ş	3675
<b>3</b> 9	Pyranol	Pyranol	Pyranol		Pyrano	Pyranol	Pyranol	Pyranol	Pyranol	Pyranoi	TOTAL
CLASSIFICATION	Full POB	Full PCB	FE PCB	Contaminated PCB; Never operated after PCBX treatment so it could not be reclassified.*	-Large	Small	Small	Small	Small	Small	
	L495599PMLB	L495603PMLB	7146126	PLR49861	HOL#30961		ID#0045	ID#0046	ID#0047	D#0050	
30 00 00 00	£	Ħ	ድ	ድ	δ	×	×	×	×	×	
	Transformer	Transformer	Transformer	Transformer- REMOVED*	6 Capacitors	SM Capacitor					

ND = Not detectable

# TRANSFORMERS RECLASSIFIED AS NON-PCB

			ロントとうにってココニアのインコとっと世界とつよりとくと	SOLUTION	ロントとう		
	8	SER MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA MEDIA ME	CLASSIFICATION	Tuid	VOLUME (Gals.)	PCB CONC. (ppm)	EQUIPMENT LOCATION
Transformer	۴	F962786	Formerly classified as contaminated PCB; Unit reclassified as non-PCB		610 gal	Previously 158 prior to PCBX; Reclassified as non-PCB (10 ppm PCBs)	11A
Transformer	£	3164568	Formerly classified as contaminated PCB; Unit reclassified as non-PCB		423 gal	Previously 54 ppm prior to PCBX; Reclassified as non-PCB (0.71 ppm PCBs)	5A
Transformer- REMOVED*	压	PLR49861	Contaminated PCB; Never operated after PCBX treatment so it could not be reclassified.*		3244gal	63	12A
						4	-

*Note: Oil was removed from Transformer PLR49861 on February 25, 2013 for reclamation, and the transformer itself was removed on June 19, 2013 for recycling of metal components.

Holston Army Ammunition Plant 2013 PCB Annual Document Log

## Holston Army Ammunition Plant 2013 PCB Annual Document Log

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## BAE SYSTEMS

Ordnance Systems Inc.

## JANUARY 1, 2013 – DECEMBER 31, 2013 HOLSTON ARMY AMMUNITION PLANT

Comments	N AN
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2	Ž
G S	Š
# Stored Big G	NA A
\$ 5 5 5 6 7 8 8 8 8 8	Υ _N
Date Removed	N/A
Removed From	N/A
Serial No.	None N/A
Equipment Type	None

### BAE SYSTEMS

Ordnance Systems Inc.

## JANUARY 1, 2013 – DECEMBER 31, 2013 HOLSTON ARMY AMMUNITION PLANT

Disposed Posed	See below
Se de la company	See below
¥, (kg)	See below
S S	
Stored at Bidg.	12A (equipment location)
Date Stored	¥ X
Date Removed	See below
Removed From	12A
Serial No. Re	PLR49861
Equipment Serial No. Remove	Transformer

- Clean Harbors removed the oil from the transformer on February 25, 2013, the date the transformer was removed from service. Approximately 500 gallons remained in the transformer. The oil was received at the Clean Harbors Tucker, Georgia facility on March 11, 2013 and the oil was reclaimed on March 12, 2013. Weight of this oil shipment was 9205 kg.
- Clean Harbors removed the transformer from Building 12A on June 19, 2013. The transformer was received at the Clean Harbors Twinsburg, Ohio facility on June 20, 2013. The transformer was decommissioned on July 19, 2013 (the oil was removed for reclamation or disposal and the metal was recycled). Weight of the remaining oil and transformer was 18181 kg.



Ordnance Systems Inc.

### Manifests and Certificates of Disposal from Clean Harbors

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Hoiston Army Ammunition Plant 2013 PCB Annual Document Log



Clean Harbors Euvironmental Services 1875 Forge Street Tucker, GA 30084

www.cleanharbors.com

March 15, 2013

Paul Bailey
Bae Systems Ordinance Systems
4509 WestStone Drive
Kingsport, TN 37660

RE: Sales Order #: GA5020174

Dear Mr. Bailey:

Enclosed please find a signed copy of your shipping document, which indicates acceptance of your waste at our Clean Harbors PPM facility in Tucker, Georgia.

Shipping Document Number:

004800103FLE

Date Received:

3/11/13

In accordance with 40 CFR 264.12(b), Clean Harbors PPM, LLC-Tucker Facility has the appropriate state and federal permits to accept, store, and/or treat the waste you shipped to our facility. This letter should be kept on file with your copy of the signed manifest.

We appreciate your business. If you have any questions, please contact me at (770) 934-0902 x 6562.

Sincerely,

Carol Ramsay Compliance Guard

Enclosure(s)

1875 Forge Street, Tucker, GA 30084 ph: 770.934.0902 fax 770.496.5996

Holston Army Ammunition Plant le & Technology Creating a Safer, Cleaner Environment"



Clean Harbors PPM LLC 1875 Forge Street Tucker GA, 30084 GAD980839187 (770) 934-0902

### CERTIFICATE OF DISPOSAL

Generator Facility Name:

Generator Contact Name:

Bae Systems Ordinance Systems

Generator Address:

4509 West Stone Drive Kingsport, TN, 37660

Sales Order#: GA5062006

Date Received:

3/11/2013

Generator EPA ID:

TN5210020421

Load #

Manifest #:

004800103FLE

Original Date Removed Unit CH ID# From Service Type

Sertal #/ **Customer ID** 

Material Description Disposal Date

Method of Disposal

Disposal Facility

30000880

2/25/2013

004800103FLE/

PCS Liquids For Dechiorination (<500PPM)

3/12/2013

Oli Reclamation

PPM - Tucker, GA Facility

Under Civil and Criminal Penalties of Law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

**Authorized Agent** 

Tuesday, April 02, 2013

Date

Page 1 of 1

9205 Kg5

Hoiston Army Ammunition Plant 2013 PCB Annual Document Log

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1	t u	INIFORM HAZARDOUS 1. Generator ID Number	2.Page ( of   3.1	mergency Response	Phone	KHarlas	Tracking N	umber	***************************************	
		WASTE MANIFEST TN 5210020621 Generator's Name and Melling Address	<u> </u>	<u>00-483-37</u>	18	<u> </u>	480	3260	FLE	
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		(insport. IN 37660	*	SAM	E	×	75			
		(inssport, TN 37660 422-470-1600 Pa	***************************************		***************************************	***************************************				
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	7.	Clean Harbors Engineering Construction Temporary Company Name		***************************************	•••••	US. EPAID!	30222	250		
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	1	Clean Harbors PPM LLC	ግ የና የ የ የ የ የ የ የ የ የ የ የ የ የ የ የ የ የ የ		5		_ *			
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	HM			10. Contain No.	······································	11. Total Quantity	12. Unit Wt./Vol.	13. Wa	ista Codes	
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ı	1	1. D80T							* * *	
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000000	15.	GENERATOR S/OFFEROR'S CERTIFICATION: I hereby declare that the contex mented and telephological and are in all respects to proper profition by two	nts of this consignment are fully	and accurately desc	rited above by	the proper chip	ping name,	and are classifi	ed, peckeged.	
	l .	Exceptor: I carried that the contents of this construment analyses to the terms of the	royan maanuung ur appropansi ni m allaskad EDA kelmenisikans	IN CONTRACTOR SERVICES	ısı Bosewwens	u regulations. I	f exeport ship	ment and I am	the Primary	
	Clary	I certify that the weste minimization statement identified in 40 CFR 262.27(a) (#1 evator s Otheror's Printed/Typed Name	am a large quantity generator)	or (b) (#1em a small	quantity genera	tor) is true.				
	3	$\Delta M_{\rm A}$ , $M_{\rm A}$		1 1	11 12	( * 72	<i>I</i>	Magn	Lay Year	
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:1	18b./	Allemate Facility (or Generator)		teritesi Reterence N				•••••		
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٤l		*						Month	Oay Year	
?ľ	19. He	azardous Waste Report Management Nethod Codes (J.e., codes for hazardous w	aste treatment dispossi, and re-	ocing systems)	******************************	***************************************		L		
ď	€,	2.	13.	-ygyyumi1903	***************************************	77.		***************************************		
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	20. Os	esignated Pacifity Owner or Operator: Certification of receipt of hazardous meteria	is covered by the manifest \$500	Otes noted in Hern 4		<u> </u>		;		
I	4	d Typed Name	3890.07		~~	<u>-</u>	j	i Mark		
1	X.	Lmanda I bluschi	( / / / / / / / / / / / / / / / / / / /	101	1 2 4 2	(	Market Control of the	Min	19012	
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		Holston Army Ammunition Plant	***	Silver .	ആ. ക		overes editi (	~****	COENERAIUR	
m.					A & S. W. W.	Miller Samuel C	i iĝi			
ne:	Market .	2013 PCB Annual Document Log	ALL LIBERT WILLOWS AND A CO		3195	)~~) 1 C	> ∛			



Clean Harbors 1672 East Highland Road Twinsburg, OH 330-425-3825 Fax 330-487-5784 www.cleanharbors.com

MR. MICHAEL BRIGHT BAE SYSTEMS ORDINANCE SYSTEMS 4509 WEST STONE DRIVE KINGSPORT, TN 37660

MR. BRIGHT:

Enclosed you will find signed copies of your shipping documents, which indicates acceptance of your waste at our Clean Harbors PPM facility in Twinsburg, OH.

004800260FLE RECEIVED 06/20/13

In accordance with 40 CFR 264.12(b), Clean Harbors PPM, LLC-Twinsburg Facility has the appropriate state and federal permits to accept, store, and/or treat the waste you shipped to our facility. This letter should be kept on file with your copy of the signed manifest.

We appreciate your business. If you have any questions, please contact me at (330) 425-3825.

Sincerely,

Shantanu S. Pahi

**Facility General Manager** 

Shantanu of Pahi

**Enclosures** 



Clean Harbors PPM LLC 1672 East Highland Road Twinsburg OH, 44087 OHD986975399 (330) 425-3825

### CERTIFICATE OF DISPOSAL

Generator Contact Name:

Sales Order #:

GA5473767

Generator Facility Name:

Bae Systems Ordinance Systems

Date Received:

6/20/2013

Generator Address:

4509 West Stone Drive

Kingsport, TN 37660

Generator EPA ID:

TN5210020421

Menifest #:

004800280FLE

Line # Profile/Description

Disposal Method of Disposal Disposal Facility

PPMD80T TRANSFORMER <80 ppm FOR RECLAMATION

Date 7/19/2013

Decommission

Twinsburg, OH Fedility

Under Civil and Criminal Penalties of Law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2815), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Name:

Title:

VP Environmental Applications

Date:

Tuesday, July 30, 2013

Page 1 of 1

**Hoiston Army Ammunition Plant** 2013 PCB Annual Document Log

### BAE SYSTEMS

**Ordnance Systems Inc.** 

Holston Army Ammunition Plant 4509 West Stone Drive Kingsport, TN 37660-9982

EPA Identification Number: TN 5210020421

### PCB Annual Document Log January 1, 2014 – December 31, 2014

Prepared by:

**Environmental and Electrical Departments** 

Submitted by:

**Environmental Department** 



Ordnance Systems Inc.

### 2014 PCB Transformer Quarterly Inspections

8 6 40 18 0 m

ID-2401 Area A - PCB Checklist VERSION: 1.0

20.2₇ effective 724-13

Copies of this checklist permitted to collect field data and check-off tesking as completed. Copies are to be printed from the PM Work Order attachment to ensure the current version is utilized during execution of the PM.

### REFERENCES:

- **▼ PME-246** PCB Equipment Inspection
- * PM-123 Visual Inspection PCB Equipment Areas

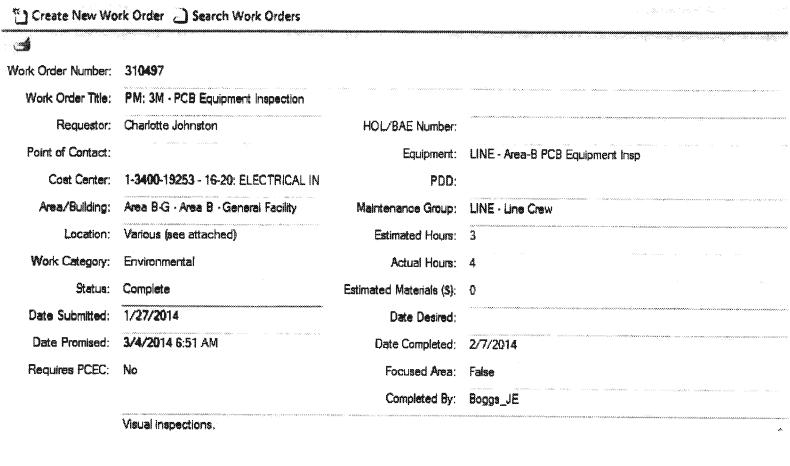
Verify contents of the checklist while performing the PM. Note any required updates.

		es entre			Part of the second
1	Bidg 8A,	Transformer			
	Ground	SN: 7146126			
	Floor	Equipment not in service.			
	······································	No power to bidg 8-A.	<b>_</b>		
		Check PCB labeling legible / intact.		Œ,	
***		Check general condition / integrity,		Ø	
		signs of leakage.			
2	Bldg 8A, East side,	(6) Capacitors			
	storage	Surplus / obsolete equipment. Not in			
	450.00-	service. No power to bidg 8-A.  Check PCB labeling legible / intact.	<b>-</b>	<del> </del>	
		<u></u>			
		Check general condition / integrity, signs of leakage.		120	
3	2A, MCC door	Capacitor			
		Check PCB labeling legible / intact.		G.	
		Check general condition / integrity,		G/	
		signs of leakage.			
4	SA, MCC door	Capacitor			
		Check PCB labeling legible / intact.		O/	
		Check general condition / integrity, signs of leakage.		ď	
5	6A, MCC ; door	Capacitor		,	
		Check PCB labeling legible / Intact.		Œ	
		Check general condition / integrity, signs of leakage.		022	
6	7A, MCC door	Capacitor			
		Check PCB labeling legible / intact.		G/	
		Check general condition / integrity, signs of leakage.		ď	
7	20A, MCC door	Capacitor			
		Check PCB labeling legible / intact.		CIY	
		Chack general condition / Integrity, signs of leakage.		2	

BAE Systems	
Ordnance Systems.	inc.

Pacilities Maintenance Kingsport, TN Page 1 of 2

Holston Army Ammunition Plant 2014 PCB Annual Document Log



Requestor Notes:

Note: Completed checklist is unavailable; however, the completion date in the work order system shows the inspection was conducted on 2/7/14.

Maintenance Notes:

Rie Name Last Modified EventChockList 1/27/2014 6:48 ... ID-2370-1.0 - Ar. .. 8/5/2013 9:07:0. .

Attachments:

Holston Army Ammunition Plant 2014 PCS Annual Document Log

Wo 313553

ID-2401 Area A – PCB Checklist VERSION: 10

1 72.7 PARIS

Copies of this checklist permitted to collect field data and check-off tasking as completed. Copies are to be printed from the PM Work Order attachment to ensure the current version is utilized during execution of the PM.

### REFERENCES:

- * PME-246 PCB Equipment Inspection
- PM-123 Visual Inspection PCB Equipment Areas

Verify contents of the checklist while performing the PM. Note any required updates.

		All Property and the second se			
1	Bidg 8A,	Transformer			
	Ground	SN: 7146126			
	Floor	Equipment not in service.			
		No power to bidg 8-A.			
		Check PCB labeling legible / intact.		5/	
		Check general condition / integrity, signs of leakage.	:	V	
2	Bldg 8A,	(6) Capacitors		***************************************	***************************************
I	East side,	Surplus / obsolete equipment. Not in			
	storage	service. No power to bldg 8-A.			
		Check PCB labeling legible / intact.		9	***************************************
		Check general condition / integrity,		G/	
	2A, MCC	signs of leakage.	~~~~~		
3	door	Capacitor			
		Check PCB labeling legible / intact.		<b>9</b>	
		Check general condition / integrity,		9"	
		signs of leakage.			
4	SA, MCC door	Capacitor	: :	***************************************	
		Check PCB labeling legible / Intact.		<b>G</b> /	
		Check general condition / integrity, signs of leakage.		8	
5	6A, MCC door	Capacitor		***************************************	***************************************
		Check PCB labeling legible / intact.		9/	
		Check general condition / integrity, signs of leakage.		<b>6</b> 2*	
6	7A, MCC door	Capacitor			•
	·····	Check PCB labeling legible / intact.	***************************************	67	
		Check general condition / integrity, signs of leakage.		67	
7	20A, MCC door	Capacitor	-	•	***************************************
	***************************************	Check PCB labeling legible / intact.	*	6/	
		Check general condition / integrity, signs of leakage.		g	
		Signs Of Icanage.			

BAE Systems Ordnance Systems, Inc. Facilities Maintenance Kingsport, TN Page 1 of 2

401E of

ID-2370 Area 8 -- PC8 Checklist VERSION: 1.0

64 50 21.7 EFFECTIVE

Copies of this checklist permitted to collect field data and check-off tasking as completed. Copies are to be printed from the PM Work Order attachment to ensure the current version is utilized during execution of the PM.

### REFERENCES:

- * PME-246 PCB Equipment Inspection
- * PM-123 Visual Inspection PCB Equipment Areas

NOTES:

Verify contents of the checklist while performing the PM. Note any required updates.

1	HOL	B200 – Precip. Roof	Transformer SN: L496599PMLB Pyranol fluid	~	
			Check PC8 labeling legible / Intact.  Check general condition / Integrity, signs of leakage.	Ŗ	
2	HOL	B200 – Precip. Roof	Transformer SN: L495803PMLB Pyranol fluid	<u> </u>	
••••••			Check PCB labeling legible / intact.  Check general condition / integrity,	8	
			signs of leakage.		

BAE Systems Ordnance Systems, Inc. Facilities Maintenance Kingsport, TN Page 1 of Z

ID-2401 Area A - PCB Checklist 4105/14C/L

VERSION: 1.0

75. 34 EFFECTIVE 7-24-13

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### REFERENCES:

- * PME-246 PCB Equipment Inspection
- * PM-123 Visual Inspection PCB Equipment Areas

Verify contents of the checklist while performing the PM. Note any required updates.

		Kenthi Laanda			
1	8ldg 8A,	Transformer			
	Ground	SN: 7146126			
	Floor	Equipment not in service.			
		No power to bldg 8-A.	OK		
		Check PCB labeling legible / Intact.	OK	<b>D</b> /	
i i		Check general condition / integrity,		₽v	
		signs of leakage.	OK		
2	Bidg 8A.	(6) Capacitors			······································
	East side,	Surplus / obsolete equipment. Not in		~	
<u> </u>	storage	service. No power to bidg 8-A.	OK		
		Check PCB labeling legible / intact.	٥K	0/	······································
		Check general condition / integrity,		<b>D</b> /	***************************************
		signs of leakage.	OK		
3	ZA, MCC	Capacitor			***************************************
	door	•	lok		
		Check PCB labeling legible / intact.	08	02/	***************************************
		Check general condition / integrity,		0/	
		signs of leakage.	OK		
4	5A, MCC door	Capacitor			***************************************
		Check PCB labeling legible / intact.	OK		
		Check general condition / integrity,		0	*
		signs of leakage.	OK		
5	6A, MCC door	Capacitor			
		Check PCB labeling legible / intact.	OK	0	
		Check general condition / integrity,		02/	***************************************
		signs of leakage.	OK		
6	7A, MCC door	Capacitor			
		Check PCB labeling legible / Intact.	OK		000000000000000000000000000000000000000
		Check general condition / integrity,			
		signs of leakage.	OK		
7	ZOA, MCC door	Capacitor			
		Check PCB labeling legible / intact.	104		<b>/</b>
	***************************************	Check general condition / integrity,		1 7	
,		signs of leakage.	OK	- Line 2	
		S. Marine and S.			

BAE Systems Ordnance Systems, Inc. Facilities Maintenance Xingsport, TN

Page 1 of 2

Hoiston Army Ammunition Plant 2014 PCB Annual Document Log

316606 7/24/2014 VERSION: 1.0 54/6A

21.707 BFFECTIVE 7-24-13

Copies of this checklist permitted to collect field data and check-off tasking as completed. Copies are to be printed from the PM Work Order attachment to ensure the current version is utilized during execution of the PM.

### REFERENCES:

- * PME-246 PCB Equipment Inspection
- PM-123 Visual Inspection PC8 Equipment Areas

NOTES:

10-2270

Area B -- PCB Checklist

Verify contents of the checklist while performing the PM. Note any required updates.

1	HOL	8200 -	Transformer			
		Precip.	SN: L495589PMLB			
		Roof	Pyranol fluid			
			Check PCB labeling legible / Intact.	OX	0/	
		***************************************	Check general condition / integrity,		6/	***************************************
			signs of leakage.	Ok		
2	HOL	8200-	Transformer			
		Precip.	SN: L495603PMLB			
		Roof	Pyranoi fluid			
			Check PCB labeling legible / Intact.	OK	<b>6</b> /	
			Check general condition / integrity,		6/	
			signs of leakage.	DK		

SAE Systems Ordnence Systems, Inc. Facilities Maintenance Kingsport, TN Page 1 of 2

Hoiston Army Ammunition Plant 2014 PCB Annual Document Log

WOW: 330334 Completed By: CA RC Date: 1/1-39-14

Copies of this checklist permitted to collect field data and check-off tasking as completed. Copies are to be printed from the PM Work Order attachment to ensure the current version is utilized during execution of the PM.

### REFERENCES:

- ▼ PME-246 PCB Equipment Inspection
- * PM-123 Visual Inspection PCB Equipment Areas

Verify contents of the checklist while performing the PM. Note any required updates.

ltem	Equip ID	Location (Floor)	Description	Value		
1		Bidg 8A,	Description Transformer	value	Comp	Comments
-		Ground	SN: 7146126			
:		Floor	Equipment not in service.			
		-	No power to bidg 8-A.			
		***************************************	Check PCB labeling legible / intact.		Z Z	
			Check general condition / Integrity, signs of leakage.		O/	
2		Bldg 8A,	(6) Capacitors			
		East side,	Surplus / obsolete equipment. Not in			
		storage	service. No power to bldg 8-A.			•••••
		***************************************	Check PCB labeling legible / intact.		Ø	
			Check general condition / integrity, signs of leakage.		0	
3	000000	2A, MCC door	Capacitor		<b>V</b>	
······	***************************************		Check PCB labeling legible / intact.	<b> </b>	<b>2</b>	***************************************
			Check general condition / integrity, signs of leakage.		0	
4		5A, MCC door	Capacitor		<b>V</b>	
		***************************************	Check PCB labeling legible / intact.		0/	
			Check general condition / integrity, signs of leakage.		P	
5		6A, MCC door	Capacitor		***************************************	
			Check PCB labeling legible / intact.	·····		······································
			Check general condition / integrity, signs of leakage.			
6		7A, MCC door	Capacitor			
			Check PCB labeling legible / intact.		e,	
			Check general condition / integrity, signs of leakage.		0	
7		20A, MCC door	Capacitor		<b>V</b> ,	
		***************************************	Check PCB labeling legible / intact.	<b>********</b>	12/	

BAE Systems Ordnance Systems, Inc. Facilities Maintenance Kingsport, TN

Page 1 of 3

Holston Army Ammunition Plant 2014 PCB Annual Document Log

	Check general condi	tion / integrity, signs of	DZ	***************************************
	leakage.			

BAE Systems Ordnance Systems, Inc. Facilities Maintenance Kingsport, TN Page 2 of 3

Hoiston Army Ammunition Plant 2014 PCB Annual Document Log

wo <u>*: 33033</u> 5	Completed By: <u>CA</u>	BC	Date: <u>10 - 29 - 14</u>
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Copies of this checklist permitted to collect field data and check-off tasking as completed. Copies are to be printed from the PM Work Order attachment to ensure the current version is utilized during execution of the PM.

### REFERENCES:

- * PME-246 PCB Equipment Inspection
- * PM-123 Visual Inspection PCB Equipment Areas

NOTES:

Verify contents of the checklist while performing the PM. Note any required updates.

Item #	Equip ID	Location (Floor)	Description	Value Cor	mp Comments
1	HOL	8200 Precip. Roof	Transformer SN: L495599PMLB Pyranol fluid	V	
			Check PCB labeling legible / intact.		7
			Check general condition / Integrity, signs of leakage.	Į Š	V
2	HOL	8200 – Precip. Roof	Transformer SN: L496603PMLB Pyranol fluid	v	
			Check PCB labeling legible / Intact.	Q	<i>f</i> .
			Check general condition / integrity, signs of leakage.	Ç	
100					

BAE Systems Ordnance Systems, Inc. Facilities Maintenance Kingsport, TN

Page 1 of 2

Holston Army Ammunition Plant 2014 PCB Annual Document Log

## BAE SYSTEMS

Ordnance Systems Inc.

# PCB INVENTORY - DECEMBER 31, 2014 HOLSTON ARMY AMMUNITION PLANT

	********	*******	00000000		····	,	·	·····	,,,,,,,,,	بننسسنم	وسسنم	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,
	EQUIPMENT	LOCATION	200, boiler#1	200, boiler#2	8A, elect Rm	12A	8A, elect. Rm.	2A, MCC	5A, MCC	6A, MCC	7A, MCC	20A, MCC	
	PCB CONC.	(maa)	>500	>500	>500	63	>500	>500	>500	>500	>500	>500	:
	WEGHT N	æ	446.9	446.9	1406.1	17679.8	49.1						20028.8
	VOLUME	Ĉ	82	82	258	3244	တ	2	2	2	2	2	3675
	Ţ	Zve	Pyranol	Pyranol	Pyrano		Pyranol	Pyranol	Pyranol	Pyranol	Pyranol	Pyranol	TOTAL
	MOLTACHER	9 x 050, x u s 2 50, x u s 050, x 050, 0 5000, 000, 000, 000, 000,	Full PCB	Full PCB	Full PCB	Contaminated PCB; Never operated after PCBX treatment so it could not be reclassified.*	Large	Small	Small	Small	Small	Small	
	SER		L495599PMLB	L495603PMLB	7146126	PLR49861	HOL#30961		ID#0045	ID#0046	ID#0047	ID#0050	
	7		ድ	TR	뙤	¥	ర	×	×	×	×	×	
		TYPE	Transformer	Transformer	Transformer	Transformer- REMOVED*	6 Capacitors	SM Capacitor					

ND = Not detectable

	EQUIPMENT LOCATION	11A	5A
IRANSFORMERS RECLASSIFIED AS NON-PCB	PCB CONC. (ppm)	Previously 158 prior to PCBX; Reclassified as non-PCB (10 ppm PCBs)	Previously 54 ppm prior to PCBX; Reclassified as non-PCB (0.71 ppm PCBs)
	VOLUME (Gals.)	610 gal	423 gal
	Yed Yed		
	CLASSIFICATION	Formerly classified as contaminated PCB; Unit reclassified as non-PCB	Formerly classified as contaminated PCB; Unit reclassified as non-PCB
	SERIAL NUMBER	F962786	3164568
	3000	Æ	£
	EQUIPMENT TYPE	Transformer	Transformer

## BAE SYSTEMS

Ordnance Systems Inc.

## PCB ITEMS IN STORAGE JANUARY 1, 2014 – DECEMBER 31, 2014 HOLSTON ARMY AMMUNITION PLANT

Comments	Š
Ęź	Š
žĒŜ	A'N
\$ \$	Ş
Gas.	Š
Stored at Bidg.	Š
Date Stored	Š
Date Removed	ĕ Ž
Removed From	N/A
nent e Serial No.	Š
Equipment Type	None

## Holston Army Ammunition Plant 2014 PCB Annual Document Log

## BAE SYSTEMS

Ordnance Systems Inc.

# PCB TEMS DISPOSED

JANUARY 1, 2014 – DECEMBER 31, 2014	HOLSTON ARMY AMMUNITION PLANT	
ŹS	<b>로</b>	

Disposed

Date Shipped XX

W. Ko

Voi. XX

Stored at Bidg. NA

Date Stored ₹ Z

Removed N/A Date Date

> Removed From ۲ X

Serial Seria S S

Equipment Type None

### BAE SYSTEMS

### **Ordnance Systems Inc.**

**Holston Army Ammunition Plant** 4509 West Stone Drive Kingsport, TN 37660-9982

EPA Identification Number: TN 5210020421

### **PCB Annual Document Log** January 1, 2014 - December 31, 2014

Prepared by: Environmental and Electrical Departments

Submitted by: Environmental Department



Ordnance Systems Inc.

### 2014 PCB Transformer Quarterly Inspections

804018 0/W

ID-2401 Area A – PCB Checklist VERSION: 1.0

22.2₇₋₂₇₋₂₃

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### REFERENCES:

- * PME-246 PCB Equipment Inspection
- * PM-123 Visual Inspection PCB Equipment Areas

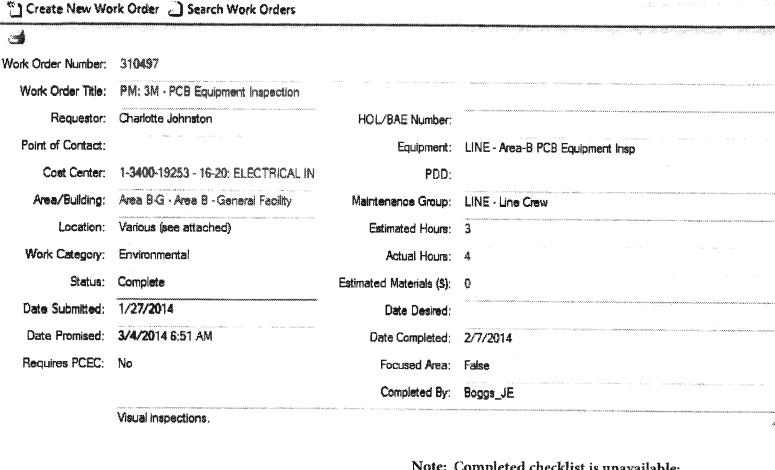
Verify contents of the checklist while performing the PM. Note any required updates.

		and the second present of			
1	Bldg 8A,	Transformer			
	Ground	SN: 7146126			
	Floor	Equipment not in service.			
		No power to bidg 8-A.	ļ		
		Check PCB labeling legible / intact.	ļ	ď	
		Check general condition / integrity,		図	:
		signs of leakage.			
2	Bidg 8A,	(6) Capacitors			
	East side,	Surplus / absolete equipment. Not in	1	1.	
	storage	service. No power to bidg 8-A.			
		Check PCB labeling legible / intact.		<u></u>	
	4	Check general condition / integrity, signs of leakage.		8	***************************************
3	2A, MCC door	Capacitor			
***************************************		Check PCB labeling legible / Intact.		B.	
		Check general condition / integrity,		Q/	
		signs of leakage.			
4	5A, MCC door	Capacitor			
		Check PCB labeling legible / intact.		Q/	
		Check general condition / integrity, signs of leakage.		ď	
5	6A, MCC door	Capacitor	***************************************	,	
		Check PCB labeling legible / Intact.		œ	
		Check general condition / integrity, signs of leakage.		02	
6	7A, MCC door	Capacitor			
		Check PCB labeling legible / intact.		g/	
		Check general condition / integrity, signs of leakage.		g	
7	20A, MCC door	Capacitor			
		Check PCB labeling legible / intact.		OY.	
		Chack general condition / integrity, signs of leakage.		Ø	

BAE Systems	
Ordnance Systems.	ine.

Facilities Maintenance Kingsport, TN Page 1 of 2

Hoiston Army Ammunition Plant 2014 PCB Annual Document Log



Requestor Notes:

Note: Completed checklist is unavailable; however, the completion date in the work order system shows the inspection was conducted on 2/7/14.

Maintenance Notes:

File Name Last Modified

ExertCheckList 1/27/2014 6:48

ID-2370-1,0_-Ar. 8/5/2013 9:07:0...

Attachments:

Holston Army Ammunition Plant 2014 PGB Annual Document Log

40 313253

ID-2401 Area A — PCB Checklist

VERSION: 1.0

Copies of this checklist permitted to collect field data and chack-off tasking as completed. Copies are to be printed from the PM Work Order attachment to ensure the current version is utilized during execution of the PM.

### REFERENCES:

- * PME-246 PCB Equipment Inspection
- PM-123 Visual Inspection PCB Equipment Areas

Verify contents of the checklist while performing the PM. Note any required updates.

		entiting the			
1	Bidg 8A,	Transformer			
	Ground	SN: 7146126			
*	Floor	Equipment not in service.			
		No power to bldg B-A.			
		Check PCB labeling legible / Intact.		3/	
		Check general condition / integrity,		D'	
		signs of leakage.			<u> </u>
2	Bidg 8A,	(6) Capacitors			
1	East side,	Surplus / obsolete equipment. Not in			
	storage	service. No power to bldg 8-A.			
	***************************************	Check PCB labeling legible / intact.		8	
		Check general condition / integrity, signs of leakage.	acate and a second	. 52*	
3	ZA, MCC door	Capacitor			
		Check PC8 labeling legible / intact.		<b>5</b>	
		Check general condition / integrity, signs of leakage.		87	
4	SA, MCC door	Capacitor		***************************************	
		Check PCB labeling legible / intact.		9/	***************************************
		Check general condition / integrity, signs of leakage.		B	
5	6A, MCC door	Capacitor			
		Check PC0 labeling legible / intact.		<b>5</b> /	***************************************
		Check general condition / integrity, signs of leakage.		87	
6	7A, MCC door	Capacitor	-		
		Check PCB labeling legible / intact.		3	<b>I</b>
		Check general condition / integrity, signs of leakage.		97	
7	20A, MCC door	Capacitor			
		Check PCB labeling legible / intact.		8	
		Check general condition / integrity, signs of leakage.		g	

BAE Systems Ordnance Systems, Inc. Facilities Maintenance Kingsport, TN Page 1 of 2

404818 0100

ID-2370 Area B -- PC8 Checklist

VERSION: 1.0

6 1 30 29.3 EFFECTIVE 24.3

Copies of this chacklist permitted to collect field data and chack-off tasking as completed. Copies are to be printed from the PM Work Order attachment to ensure the current varsion is utilized during execution of the PM.

### REFERENCES:

- ◆ PME-246 PCB Equipment Inspection
- ◆ PM-123 Visual Inspection PCB Equipment Areas

NOTES:

Verify contents of the checklist while performing the PM. Note any required updates.

						675 9840
1	HOL	8200 – Precip. Roof	Transformer SN: L496599PMLB Pyranol fluid		~	<
			Check PCB labeling legible / Intact. Check general condition / Integrity, signs of leakage.	·	is.	
2	HOL	B200 — Precip. Roof	Transformer SN: L495803PMLB Pyranol fluid		<u></u>	
			Check PCB labeling legible / intact. Check general condition / integrity, signs of leakage.		ř	

BAE Systems Ordnance Systems, Inc. Facilities Maintenance Kingsport, TN

Page 1 of 2

Hoiston Army Ammunition Plant 2014 PCB Annual Document Log

SH CA

ID-2401 Area A -- PCB Chacklist 4105/16/1

VERSION: 1.0

<u> 79. 分</u> EFFECTIVE 7-24-13

Copies of this checklist permitted to collect field data and check-off tasking as completed. Copies are to be printed from the PM Work Order attachment to ensure the current version is utilized during execution of the PM.

### REFERENÇES:

- * PME-246 PCB Equipment Inspection
- * PM-123 Visual Inspection PCB Equipment Areas

Verify contents of the checklist while performing the PM. Note any required updates.

			ene a com		
1	Bldg 8A,	Transformer			
	Ground Floor	SN: 7146126			
	11001	Equipment not in service.		"	
		No power to bldg 8-A.	OK	<b></b>	
		Check PCB labeling legible / Intact.	<u> </u>		***************************************
l.		Check general condition / integrity,		D	: :
		signs of leakage.	OK		
2	Bidg 8A. East side.	(6) Capacitors		L/	
	storage	Surplus / obsolete equipment. Not in			
		service. No power to bidg 8-A.	<u>oķ</u>		
		Check PCB labeling legible / intact.	ΔK		
		Check general condition / Integrity,	1	0	
		signs of leakage.	<u> PCK</u>		······································
3	2A, MCC door	Capacitor	Lok	<b>'</b>	· ·
		Check PCB labeling legible / intact.	OK	02	
		Check general condition / integrity,		02/	
		signs of leakage.	l o K		
4	5A, MCC door	Capacitor			
		Check PCB labeling legible / intact.	OK	G.	
		Check general condition / integrity,		0	***************************************
		signs of leakage.	05		
5	6A, MCC door	Capacitor			
		Check PCB labeling legible / intact.	OK	0	
		Check general condition / integrity,		100/	
		signs of leakage.	108		
6	7A, MCC door	Capacitor			
		Check PCB labeling legible / intact.	DY	62/	
		Check general condition / integrity, signs of leakage.	OK	D	
7	20A, MCC door	Capacitor			
		Check PCB labeling legible / intact.	DK		
		Check general condition / integrity,		0/	
		signs of leakage.	OK	unau	
		A CONTRACTOR OF THE STATE OF TH			

BAE Systems Ordnance Systems, Inc.

Facilities Maintenance Kingsport, TN Page 1 of 2

Hoiston Army Ammunition Plant 2014 PCB Annual Document Log

316606

ID-2270 Area 8 -- PCB Cheddlist 7/24/2014 VERSION: 1.0

2.27 EFFECTIVE 7-24-23

Copies of this checidist permitted to collect field data and check-off tasking as completed. Copies are to be printed from the PM Work Order attachment to ensure the current version is utilized during execution of the PM.

### REFERENCES:

- * PME-246 PCB Equipment Inspection
- PM-123 Visual Inspection PC8 Equipment Areas

NOTES:

Verify contents of the checklist while performing the PM. Note any required updates.

1 7	HOL	B200	Transformer			
-	t e annual managaratica e annual con a annual a	Precip.	SN: L495599PMLB			
		Roof	Pyranol fluid			
			Check PCB labeling legible / intact.	OX	9'	***************************************
			Check general condition / integrity,		<b>G</b> /	
		:	signs of leakage.	OK		
2	HOL	8200 -	Transformer			
		Precip.	SN: L485603PMLB	1		
	:	Roof	Pyranol fluid			
			Check PCB labeling legible / Intact.	OK	9	
		v	Check general condition / integrity,		<b>9</b> /	
			signs of leakage.	DK		

BAE Systems Ordnance Systems, Inc. Facilities Maintenance Kingsport, TN Page 1 of 2

Holston Army Ammunition Plant 2014 PCB Annual Document Log

WO#:	330234	
ል <i>ቤ የ</i> ኤመራሳ	~ 8.36~ 636~ 1.4	

Completed By: <u>CA</u> <u>RC</u>

Date: 11-29-14

Copies of this checklist parmitted to collect field data and check-off tasking as completed. Copies are to be printed from the PM Work Order attachment to ensure the current version is utilized during execution of the PM.

### REFERENCES:

- * PME-246 PCB Equipment Inspection
- PM-123 Visual Inspection PCB Equipment Areas

Verify contents of the checklist while performing the PM. Note any required updates.

tem	Location Equip ID (Floor)	Description .	Value	Comp	Comments
1	Bldg 8A,	Transformer		,	
	Ground	SN: 7146126		<b>-</b>	
	Floor	Equipment not in service.			
		No power to bldg 8-A.			
		Check PCB labeling legible / intact.		Ø,	
		Check general condition / integrity, signs of		0	
	ļ.	leakage.			
2	Bldg 8A,	(6) Capacitors		-	
	East side,	Surplus / obsolete equipment. Not in			
	storage	service. No power to bidg 8-A.			
		Check PCB labeling legible / intact.		Ø	
		Check general condition / integrity, signs of		0	
		leakage.			
3	ZA, MCC	Capacitor		1	
	door				***************************************
		Check PCB labeling legible / intact.		8	
		Check general condition / integrity, signs of leakage.			
4	5A, MCC door	Capacitor		V	
		Check PCB labeling legible / intact.		0/	
		Check general condition / integrity, signs of leakage.		P	
5	6A, MCC	Capacitor	·····	<b>!</b>	***************************************
	door				
		Check PCB labeling legible / Intact.	<b></b>		***************************************
		Check general condition / integrity, signs of leakage.		O	
6	7A, MCC door	Capacitor			
		Check PCB labeling legible / intact.	<b> </b>	<b>1</b>	
		Check general condition / integrity, signs of leakage.		7	
7	20A, MCC door	Capacitor		V,	
		Check PCB labeling legible / intact.	<b></b>	2/	

BAE Systems Ordnance Systems, Inc. Facilities Maintenance Kingsport, TN Page 1 of 3

Holston Army Ammunition Plant 2014 PCB Annual Document Log

	 <b></b>	Check general condition / integrity, signs of		
		leakage.		
900				

BAE Systems Ordnance Systems, Inc.

Facilities Maintenance Kingsport, TN

Page 2 of 3

Hoiston Army Ammunition Plant 2014 PCB Annual Document Log

NOW: <u>3202</u> 35 Completed B	y: <u>CA</u>	<u>BC</u>	Da	nte:	0-0	29	***
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Copies of this checklist permitted to collect field data and check-off tasking as completed. Copies are to be printed from the PM Work Order attachment to ensure the current version is utilized during execution of the PM.

### REFERENCES:

- * PME-246 PCB Equipment Inspection
- PM-123 Visual Inspection PCB Equipment Areas

### NOTES:

Verify contents of the checklist while performing the PM. Note any required updates.

Item (#)	Equip (D	Location (Floor)	Description	Value	Comp	Comments
1	HOL	8200 Precip. Roof	Transformer SN: L498599PMLB Pyranol fluid		V	
			Check PCB labeling legible / intact.		₽,	
			Check general condition / Integrity, signs of leakage.		0	
2	HOL	8200 – Precip. Roof	Transformer SN: L496803PMLB Pyranoi fiuld		V	
			Check PCB labeling legible / intact.		Ø,	
			Check general condition / integrity, signs of leakage.		0/	
200						

BAE Systems Ordnance Systems, Inc. Facilities Maintenance Kingaport, TN Page 1 of 2

Hoiston Army Ammunition Plant 2014 PCB Annual Document Log

## BAE SYSTEMS

Ordnance Systems Inc.

## PCB INVENTORY – DECEMBER 31, 2014 HOLSTON ARMY AMMUNITION PLANT

<i></i>		•••••		***************************************		-	ottonteen	eioannoon			
EQUIPMENT	200. boiler#1	200, boiler#2	8A, elect Rm	12A	8A, elect. Rm.	2A, MCC	5A, MCC	6A, MCC	7A, MCC	20A, MCC	
PCB CONC.	>500	>500	>500	63	>500	>500	>500	>500	>500	>500	
¥EIGH]	446.9	446.9	1406.1	17679.8	49.1						20028.8
VOLUME:	82	82	258	3244	o	2	2	2	2	9	3675
Fig	Pyranol	Pyranol	Pyranol		Pyranol	Pyranol	Pyranol	Pyranol	Pyranol	Pyranol	TOTAL
CLASSIFICATION	Full PCB	Full PCB	Full PCB	Contaminated PCB; Never operated after PCBX treatment so it could not be reclassified.*	Large	Small	Small	Small	Small	Small	
SERIAL	L495599PMLB	L495603PMLB	7146126	PLR49861	HOL#30961		ID#0045	ID#0046	ID#0047	ID#0050	
3000 CODE	Ħ	F	Ħ	۴	S	×	×	×	×	×	
EQUIPMENT	Transformer	Transformer	Transformer	Transformer- REMOVED*	6 Capacitors	SM Capacitor	SM Capacitor	SM Capacitor	SM Capacitor	SM Capacitor	
	CODE SERIAL CLASSIFICATION Fluid VOLUME WEIGHT PCB CONC.	CODE         SERIAL NUMBER         CLASSIFICATION Type         Fluid (gal)         VOLUME (gal)         WEIGHT (ppm)           TR         L495599PMLB         Full PCB         Pyranol         82         446.9         >500	CODE         SERIAL NUMBER         CLASSIFICATION Type         Fluid (gal) (gal)         VOLUME (kg)         PCB CONC. (ppm)           TR         L495599PMLB         Full PCB         Pyranol         82         446.9         >500           TR         L495603PMLB         Full PCB         Pyranol         82         446.9         >500	CODE         SERIAL NUMBER         CLASSIFICATION         Fluid Type         VOLUME (gal)         WEIGHT (PCB CONC.)           TR         L495599PMLB         Full PCB         Pyranol         82         446.9         >500           TR         L495603PMLB         Full PCB         Pyranol         82         446.9         >500           TR         7146126         Full PCB         Pyranol         258         1406.1         >500	CODE         SERIAL NUMBER         CLASSIFICATION         Fluid Type         VOLUME (gal)         WEIGHT (ppm)         PCB CONC.           TR         L495599PMLB         Full PCB         Pyranol         82         446.9         >500         2           TR         T495603PMLB         Full PCB         Pyranol         82         446.9         >500         2           TR         7146126         Full PCB         Pyranol         258         1406.1         >500         2           TR         PLR49861         operated after PCBX treatment so it could not be reclassified.*         3244         17679.8         63         63	CODE         NUMBER NUMBER         CLASSIFICATION         Fluid Type         VOLUME (gal)         WEIGHT (kg)         PCB CONC. (ppm)           TR         L495599MLB         Full PCB         Pyranol         82         446.9         >500           TR         T46126         Full PCB         Pyranol         258         1406.1         >500           TR         TA46126         Full PCB         Pyranol         258         1406.1         >500           TR         PLR49861         operated after PCBX treatment         3244         17679.8         63           CA         HOL#30961         Large         Pyranol         9         49.1         >500	CODE         SERIAL NUMBER         CLASSIFICATION         Fluid Type         VOLUME (gal)         WEIGHT (kg)         PCB CONC.           TR         L49559PMLB         Full PCB         Pyranol         82         446.9         >500           TR         L495603PMLB         Full PCB         Pyranol         82         446.9         >500           TR         7146126         Full PCB         Pyranol         258         1406.1         >500           TR         PLR49861         Contaminated PCB; Never         3244         17679.8         63           TR         PLR49861         so it could not be reclassified.*         Pyranol         9         49.1         >500           CA         HOL#30961         Large         Pyranol         ND         49.1         >500           X         ND         Pyranol         ND         >500         9	CODE         SERIAL NUMBER         CLASSIFICATION         Fluid Type         VOLUME (gal)         WEIGHT (kg)         PCB CONC.           TR         L495599PMLB         Full PCB         Pyranol         82         446.9         >500           TR         L495603PMLB         Full PCB         Pyranol         82         446.9         >500           TR         7146126         Full PCB         Pyranol         258         1406.1         >500           TR         PLR49861         Contaminated PCB; Never         3244         17679.8         63           TR         HOL#30961         Large         Pyranol         9         49.1         >500           X         ID#0045         Small         Pyranol         ND         >500         >500	CODE         NUMBER NUMBER         CLASSIFICATION         Fluid Type         VOLUME (gal)         WEIGHT (kg)         PCB CONC. (ppm)           TR         L495599PMLB         Full PCB         Pyranol         82         446.9         >500           TR         7146126         Full PCB         Pyranol         258         1406.1         >500           TR         7146126         Contaminated PCB; Never         Pyranol         3244         17679.8         63           TR         HOL#30961         so it could not be reclassified.*         Pyranol         ND         49.1         >500           X         ID#0045         Small         Pyranol         ND         >500         >500           X         ID#0046         Small         Pyranol         ND         >500         >500	CODE         SERIAL NUMBER NUMBER         CLASSIFICATION         Fluid Type         VOLUME (gal)         WEIGHT (ppm)         PCB CONC.           TR         L495599PMLB         Full PCB         Pyranol         82         446.9         >500         200           TR         TA46126         Full PCB         Pyranol         82         446.9         >500         200           TR         7146126         Full PCB         Pyranol         258         1406.1         >500         200           TR         7146126         Contaminated PCB; Never         Pyranol         258         146.9         >500         200           TR         PLR49861         operated after PCBX treatment so it could not be reclassified.*         3244         17679.8         63         20           X         HOL#30961         Large         Pyranol         ND         49.1         >500         20           X         ID#0045         Small         Pyranol         ND         >500         2500           X         ID#0047         Small         Pyranol         ND         >500         2500	CODE         SERIAL NUMBER NUMBER         CLASSIFICATION         Fluid Type (gal)         VOLUME (kg)         PCB CONC.           TR         L495599PMLB         Full PCB         Pyranol         82         446.9         >500           TR         L495603PMLB         Full PCB         Pyranol         82         446.9         >500           TR         7146126         Full PCB         Pyranol         258         1406.1         >500           TR         PLR49861         Contaminated PCB; Never soft readment and poperated after PCB treatment and poperated after PCB treatmen

ND = Not detectable

# TRANSFORMERS RECLASSIFIED AS NON-PCB

EQUIPMENT	41A	P9
PCB CONC. (ppm)	Previously 158 prior to PCBX; Reclassified as non-PCB (10 ppm PCBs)	Previously 54 ppm prior to PCBX; Reclassified as non-PCB (0.71 ppm PCBs)
VOLUME (Gals.)	610 gal	423 gal
Fluid		
CLASSIFICATION Type (Gals.)	Formerly classified as contaminated PCB; Unit reclassified as non-PCB	Formerly classified as contaminated PCB; Unit reclassified as non-PCB
SERIAL NUMBER	F962786	3164568
CODE	TR	보
EQUIPMENT TYPE	Transformer	Transformer

## BAE SYSTEMS

Ordnance Systems Inc.

### PCB ITEMS IN STORAGE JANUARY 1, 2014 – DECEMBER 31, 2014 HOLSTON ARMY AMMUNITION PLANT

Comments	N A
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35S	Š.
호 호 호	¥ X
	Š
Stored at Bidg.	Š
Date Stored	AN
Date Removed	Ą
Removed From	ΝΑ
Serial No.	¥ Z
Equipment	Моле

## Holston Army Ammunition Plant 2014 PCB Annual Document Log

## BAE SYSTEMS

## Ordnance Systems Inc.

# PCB ITEMS DISPOSED

JANUARY 1, 2014 - DECEMBER 31, 2014	HOLSTON ARMY AMMUNITION PLANT	

Date Disposed

Date Shipped N/A

Wr.(kg)

Vol. NA NA

Stored at Bidg. N/A

Date Stored ≨

Removed N/A \$ \$

> Removed From X X

Serial No. X X

Equipment Type None

X X

### Holston Army Ammunition Plant, Area B, Pad-Mounted Transformers

Transformer Number	Status	Manufacturer	РСВ	Serial Number	Size KVA	Comments	Date of Manufacture
G-231-TX	InService		No	959000052	1500		
G-T2-TX	InService	Vantran Electric	No	88V4145	750	On nameplate: Mineral oil	1988
H-200-TX	InService	Cooper Power Systems	No	759002590	2500	On nameplate: PCB content less than 1 ppm at time of manufacture	11/2007
H-231-TX	InService	Cooper Power Systems	No	959000051	1500	On nameplate: PCB content less than 1 ppm at time of manufacture	1/2009
H-259-TX	InService	Cooper Power Systems	No	950003887	300	On nameplate: PCB content less than 1 ppm at time of manufacture	4/2009
H-320-TX	InService	Cooper Power Systems	No	0950009436	300	On nameplate: PCB content less than 1 ppm at time of manufacture	10/2009
H-339-TX2	InService	Westinghouse	No	72J310153	75	Instruction book 46-060-1 (listed on nameplate) - specifies transformer was filled or processed at the factory with non-PCB dielectric fluid and the non-PCB fluid contained less than 1 ppm at the time of processing or filling.	1972
H-341-TX	InService	Cooper Power Systems	No	750010142	500	On nameplate: PCB content less than 1 ppm at time of manufacture	5/2007
I-200-TX	InService	Cooper Power Systems	No	759002589	2500	On nameplate: PCB content less than 1 ppm at time of manufacture	11/2007
J-351-TX	InService	Cooper Power Systems	No	1250014477	500	On nameplate: PCB content less than 1 ppm at time of manufacture	12/2012
J-A2B-TX	InService	Cooper Power Systems	No	1150012524	150	On nameplate: PCB content less than 1 ppm at time of manufacture	10/2011
J-B3-TX	InService	Westinghouse	No	3164584	500	Type S L Transformer, 3 Phase, Oil Insulated, Self Cooled, instruction book 5094, no markings about PCBs or manufacturing date; old analytical results indicate < 7 ppm PCB	
K-262-TX	InService	Westinghouse	PCB- contaminated	3164525	300	Type S L Transformer, 3 Phase, Oil Insulated, Self Cooled, instruction book 5094, no markings about PCBs or manufacturing date; old analytical results show 122 ppm PCB	
K-A2B-TX	InService	Cooper Power Systems	No	1150012525	150	On nameplate: PCB content less than 1 ppm at time of manufacture	10/2011
K-B3-TX	InService	Westinghouse	No	3164584	500	Type S L Transformer, 3 Phase, Oil Insulated, Self Cooled, instruction book 5094, no markings about PCBs or manufacturing date; old analytical results indicate < 7 ppm PCB	
L-238-TX	InService	Westinghouse	No	87JD904228	500	On nameplate: Filled with non-PCB mineral oil that contained less than 1 ppm at time of manufacture	1987

Transformer Number	Status	Manufacturer	PCB	Serial Number	Size KVA	Comments	Date of Manufacture
M-400-TX	InService	Cooper	No	951023246	25	On nameplate: Non-PCB mineral oil - When manufactured contained less than 1 ppm PCB	3/1995
M-L1M-TX	InService	Cooper Power Systems	No	0850006464	500	On nameplate: PCB content less than 1 ppm at time of manufacture	4/2008
M-N3A-TX	InService	Cooper Power Systems	No	750003100	500	On nameplate: PCB content less than 1 ppm at time of manufacture	2/2007
MPT 1	InService	Westinghouse	No	3164403	7500	Three phase, Type SL-AB Transformer, Oil Insulated, Self Cooled, See Instruction book 361556-543	
MPT 2	InService	Westinghouse	No	3164404	7500	Three phase, Type SL-AB Transformer, Oil Insulated, Self Cooled, See Instruction book 361556-543; old analytical results indicate < 50 ppm PCB	
MPT 3	InService	Westinghouse	No	3164405	7500	Three phase, Type SL-AB Transformer, Oil Insulated, Self Cooled, See Instruction book 361556-543	
N-G10A-TX	InService	Vantran Electric	No	88V4129	225	On nameplate: Mineral oil filled; Sticker: No PCBs, Filled with no PCB dielectric fluid, Less than 1 ppm at time of manufacture	1988
N-G10A-TZ	InService	Vantran Electric	No	88V4128	225		1988
N-I10M-TX	InService	General Electric	No	Q524405-TVM	300	On nameplate: Contains no detectable PCB at time of manufacture	8/1997
N-14-TX	InService	Moloney	No	710790	100	no markings about PCBs or manufacturing date on nameplate	
N-16-TX	InService	Cooper Power Systems	No	750009856	150	On nameplate: PCB content less than 1 ppm at time of manufacture	5/2007
N-K5-TX	InService	Moloney	No	710781	100	no information about PCBs or manufacturing date on nameplate; old analytical results indicate < 7 ppm PCB	
N-L4-TX	InService	ABB	No	98J520194	150	Filled with non-PCB mineral oil that contained less than 1 ppm PCB at time of manufacture	2/1998
N-M4-TX	InService	Cooper Power Systems	No	1150005514	300	On nameplate: PCB content less than 1 ppm at time of manufacture	5/2011
N-M6-TX	InService	Vantran Electric	No	88V4120	150	On nameplate: Mineral oil	1988
N-M8-TX	InService	Cooper Power Systems	No	1050012362	150	On nameplate: PCB content less than 1 ppm at time of manufacture	12/2010
N-N4-TX1	InService	ABB	No	05J363040	300	On nameplate: Filled with non-PCB mineral oil that contained less than 1 ppm PCB at time of manufacture	8/2005
N-N8-TX	InService	Cooper Power Systems	No	1050012364	150	On nameplate: PCB content less than 1 ppm at time of manufacture	12/2010

Transformer Number	Status	Manufacturer	PCB	Serial Number	Size KVA	Comments	Date of Manufacture
O-C5-TX	InService	Westinghouse	No	3163829	200	S Transformer, 3 Phase, 60 Cycles, Instruction book 5922, style 80R295, no PCB markings, no manufacturing date; instruction book details use of Wemco "C" oil; old analytical results show 9 ppm PCB	
O-I5-TX	InService	Cooper Power Systems	No	750011026	150	On nameplate: PCB content less than 1 ppm at time of manufacture	5/2007
O-15/J5-TX	InService	Moloney	No	710785	150	old analytical results show 8 ppm PCB	
O-l7-J7-TX	NotInService	Moloney	No	710788	100	no information about PCBs or manufacturing date on nameplate; old analytical results indicate < 7 ppm PCB	
O-J3-TX	InService	Moloney	No	710794	100	no information about PCBs or manufacturing date on nameplate; old analytical results indicate < 7 ppm PCB	
O-L3-TX	InService	Moloney	No	710778	100	no information about PCBs or manufacturing date on nameplate; old analytical results indicate < 7 ppm PCB	
O-L5(1)-TX	InService	Cooper Power Systems	No	750009859	225	On nameplate: PCB content less than 1 ppm at time of manufacture	5/2007
O-L7-N7-TX	NotInService	Moloney	No	710792	100	no information about PCBs or manufacturing date on nameplate; old analytical results indicate < 7 ppm PCB	
O-M5-TX	InService	Cooper Power Systems	No	750009858	225	On nameplate: PCB content less than 1 ppm at time of manufacture	5/2007
O-N3-TX	InService	Westinghouse	No	89J401091	300	On nameplate: Mineral oil filled; Filled with non-PCB mineral oil that contained less than 1 ppm at time of manufacture	5/1989
O-N5-TX1	InService	Cooper Power Systems	No	0750011026	150	On nameplate: PCB content less than 1 ppm at time of manufacture	5/2007
O-N7-TX	InService	Cooper Power Systems	No	1050012363	150	On nameplate: PCB content less than 1 ppm at time of manufacture	12/2010
P-C3-TX	InService	Westinghouse	No	3163825	200	S Transformer, 3 Phase, 60 Cycles, instruction book 5922, style 30R295, no markings about PCBs, no manufacturing date; old analytical results indicate < 7 ppm PCB	
P-C7-TX	InService	Westinghouse	No	3163809	200	S Transformer, 3 Phase, 60 cycles, instruction book 5922, style 80R295, no markings about PCBs, no manufacturing date; instruction book details use of Wemco "C" oil; old analytical results show 15 ppm PCB	
P-D7-TX	NotInService	Vantran Electric	No	88V4133	300	On nameplate: Mineral oil	1988
P-D8-TX	NotInService	Vantran Electric	No	88V4136	750	On nameplate: Mineral oil	1988

Transformer Number	Status	Manufacturer	PCB	Serial Number	Size KVA	Comments	Date of Manufacture
P-E3-TX	InService	Cooper Power Systems	No	1050012404	300	On nameplate: PCB content less than 1 ppm at time of manufacture	12/2010
P-E4-TX	InService	Westinghouse	No	3163819	200	S Transformer, 3 Phase, 60 Cycles, Instruction book 5922, no PCB markings, no manufacturing date marked; instruction book details use of Wemco "C" oil; old analytical results show 7 ppm PCB	
P-E7-TX	InService	Cooper Power Systems	No	1150010088	1500	On nameplate: PCB content less than 1 ppm at time of manufacture	9/2011
P-E8-TX	InService	Westinghouse	No	3163823	200	S Transformer, 3 Phase, 60 Cycles, Instruction book 5922, style 80R295, no PCB markings, no manufacturing date; instruction book details use of Wemco "C" oil; old analytical results show 9 ppm PCB	
P-G3-TX	InService	Vantran Electric	No	88V4122	1	On nameplate: Mineral oil filled; Sticker: No PCBs, Filled with no PCB dielectric fluid, Less than 1 ppm at time of manufacture	1988
P-G4-TX	InService	Westinghouse	No	3163805	200	S Transformer, 3 Phase, 60 Cycles, Instruction book 5922, Style 80R295 (clearest one on nameplates), no markings for PCBs or manufacturing date; instruction book details use of Wemco "C" oil; old analytical results show 7 ppm PCB	
P-G7-TX	InService	Square D Company	No	880761	500	On nameplate: Non-PCB Oil, Less than 1 ppm PCB	
P-G8-TX	InService	Square D Company	No	870583-B1		Instruction book 43404-401-38	
P-H4-TX	InService	Cooper Power Systems	No	1050012368	225	On nameplate: PCB content less than 1 ppm at time of manufacture	12/2010
P-H7-TX	InService	Cooper Power Systems	No	1050012366	225	On nameplate: PCB content less than 1 ppm at time of manufacture	12/2010
Q-C6-TX	InService	Westinghouse	No	3163830	200	S Transformer, 3 Phase, 80 Cycles, Instruction book 5922, Style 30R295; instruction book details use of Wemco "C" oil; no manufacturing date or PCB markings	
Q-C9-TX	NotInService	Westinghouse	No	3163821	200	S Transformer, 3 Phase, 60 Cycles, Instruction book 5922, instruction book details use of Wemco "C" oil, no markings for PCBs or manufacturing date; old analytical results indicate < 7 ppm PCB	
Q-D2-TX	InService	Moloney	No	710784	100	no markings for PCB or manufacturing date on nameplate; old analytical results show 7 ppm PCB	
Q-D6-TX	InService	Westinghouse	No	3164581	500	3 Phase, Type SL Transformer, Oil Insulated Self Cooled, Instruction Book 5094; no manufacturing date or PCB/no PCB marking; old analytical results indicate < 50 ppm PCB	

Transformer Number	Status	Manufacturer	PCB	Serial Number	Size KVA	Comments	Date of Manufacture
Q-D9-TX	NotInService	Westinghouse	No	3164519	300	Fill transformer with "Wemco C" oil, 3 Phase, Type SL Transformer, Oil Insulated, Self Cooled; old analytical results show 9 ppm PCB	
Q-D10-TX	InService	АВВ	No	06J625144	750	On nameplate: Contains mineral oil with no detectable level of PCB, less than 1 ppm, at the time of manufacture	9/2006
Q-D5-TX	InService	Square D Company	No	871137-A1	1500	On nameplate: Non-PCB Oil	3/1988
Q-E2-TX	InService	Westinghouse	No	3164515	300	Fill transformer with "Wemco C" oil, 3 Phase, Type SL Transformer, Oil Insulated, Self Cooled; old analytical results show 29 ppm PCB	
Q-E6-TX	InService	Cooper Power Systems	No	1050012403	300	On nameplate: PCB content less than 1 ppm at time of manufacture	12/2010
Q-E9-TX	NotInService		No		300		
Q-E10-TX	InService	Vantran Electric	No	88V4144	750	On nameplate: Mineral oil	1988
Q-G2-TX	InService	Westinghouse	No	3521859	200	S Transformer, 3 Phase, 60 Cycles, Style 83RW428, instruction book 5922, no PCB markings, no manufacturing date shown	
Q-G5-TX	InService	Vantran Electric	No	88V4125	225	On nameplate: Mineral oil	1988
Q-G6-TX	InService	Westinghouse	No	3163811	200	S Transformer, 3 Phase, 60 Cycles, instruction book 5922, instruction book details use of Wemco "C" oil, Style 80R295, no markings for PCBs or manufacturing date	
Q-G10-TX	InService	Square D Company	No	890560-A1	1500	On nameplate: Non-PCB oil contains less than 1 ppm of PCB fluid at time of manufacture	2/1990
Q-H5-TX	InService	Cooper Power Systems	No	1050012369	225	On nameplate: PCB content less than 1 ppm at time of manufacture	12/2010
Q-H6-TX	InService	ABB	No	04J095354	225	On nameplate: Filled with non-PCB mineral oil that contained less than 1 ppm PCB at time of manufacture	7/2004
R-302(1)-TX	InService	Westinghouse	No	3164513	300	Fill transformer with "Wemco C" oil; Type S L transformer, 3 phase, oil insulated, self cooled, instruction book 5094; old analytical results show 25 ppm PCB	
R-302(2)-TX	NotInService	Westinghouse	No	SDT6145-0101	5000	Type RSL, Oil Insulated Substation Transformer, Class OA, Insuldur Insulation, Instruction book PS-1002	12/1990
R-334-TX	InService	Vantran Electric	No	88V4137	225	On nameplate: Mineral oil; Sticker: No PCBs, Filled with no PCB dielectric fluid, Less than 1 ppm at time of manufacture	1988
R-B5-TX	InService		No		500		
S-B3-TX	InService	Cooper Power Systems	No	1250004770	1000	On nameplate: PCB content less than 1 ppm at time of manufacture	4/2012

Transformer Number	Status	Manufacturer	PCB	Serial Number	Size KVA	Comments	Date of Manufacture
S-B5-TX	InService		No		500		
T-124-TX	InService		No		25		
T-150-TX	InService	Cooper Power Systems	No	1050012428	500	On nameplate: PCB content less than 1 ppm at time of manufacture	12/2010
T-155-TX	InService	АВВ	No	04J170322	500	On nameplate: Filled with non-PCB mineral oil that contained less than 1 ppm PCB at time of manufacture	11/2004
T-201(2)-TX	InService	Cooper Power Systems	No	1159001454	3000	On nameplate: PCB content less than 1 ppm at time of manufacture	8/2011
T-201-TX	InService	Cooper Power Systems	No	1050012360	150	On nameplate: PCB content less than 1 ppm at time of manufacture	12/2010
T-232-TX	InService	Westinghouse	No	81JB386105	1000	On nameplate: Mineral oil	1981
T-234-TX	InService	Cooper Power Systems	No	1050012405	500	On nameplate: PCB content less than 1 ppm at time of manufacture	12/2010
T-235E-TX	InService	Cooper Power Systems	No	1050012431	750	On nameplate: PCB content less than 1 ppm at time of manufacture	12/2010
T-235B-TX	InService	Westinghouse	No	95J982269	2500		1995
T-235-TX	InService	Westinghouse	No	TAT2486-0108	2500	Instruction book PM 1000, 3 Phase Type RSL Oil Insulated Plazapad Transformer, Class OA, Insuldur Insulation	3/1981
U-150-TX	InService	Cooper Power Systems	No	1050012429	500	On nameplate: PCB content less than 1 ppm at time of manufacture	12/2010
U-201(2)-TX	InService	Cooper Power Systems	No	1159001466	150	On nameplate: PCB content less than 1 ppm at time of manufacture	8/2011
U-201-TX	InService	Cooper Power Systems	No	1050012361	3000	On nameplate: PCB content less than 1 ppm at time of manufacture	12/2010
U-203(2)-TX	InService	Cooper Power Systems	No	976002692	1500	On nameplate: When manufactured contained less than 1 ppm PCB's	11/1997
U-203-TX	InService	Cooper Power Systems	No	0750009950	300	On nameplate: PCB content less than 1 ppm at time of manufacture	5/2007
U-221-TX	NotInService		No		1000		
U-232-TX	InService	Westinghouse	No	81JB386177	1000	On nameplate: Mineral oil	1981
U-234-TX	InService	Cooper	No	0037016991	500	On nameplate: When manufactured contained less than 1 ppm PCB's	10/2000
U-235B-TX	InService	ABB	No	95J981384	2500	On nameplate: Filled with non-PCB mineral oil that contained less than 1 ppm PCB at time of manufacture	11/1995
U-235E-TX	InService	Cooper Power Systems	No	illegible	750	On nameplate: PCB content less than 1 ppm at time of manufacture	
U-235-TX	InService	Westinghouse	No	TAT2486-0101	2500	Instruction book PM 1000, 3 Phase Type RSL Oil Insulated Plazapad Transformer, Class OA, Insuldur Insulation	3/1981

Transformer Number	Status	Manufacturer	PCB	Serial Number	Size KVA	Comments	Date of Manufacture
W-8-TX	InService	ABB	No	03J782168	500	On nameplate: Filled with non-PCB mineral oil that contained less than 1 ppm PCB at time of manufacture	04/2003
W-100-TX	InService		No		1000		
W-151-TX	InService	Vantran Electric	No	74V2334	750	Mineral oil filled, instruction book V-100	
W-155-TX	InService	ABB	No	04J170304	500	On nameplate: Filled with non-PCB mineral oil that contained less than 1 ppm PCB at time of manufacture	11/2004
W-156-TX	InService	General Electric	No	L710404TMLA	500		12/1975
W-163-TX	InService		No		300		
X-155-TX	InService	VTC West	No	465000A009W- SRWL477A- RWL477A	500	On nameplate: Mineral oil Type II	12/2008
X-262-TX	Unknown	Vantran Electric	No	88V4139	300	On nameplate: Mineral oil	1988
X-334-TX	InService	Cooper	No	959005239	225	On nameplate: When manufactured contained less than 1 ppm PCB's	10/1995
X-352B-TX	Unknown		No		750		
X-363-TX	Unknown	Cooper Power Systems	No	1359000252	1500	On nameplate: PCB content less than 1 ppm at time of manufacture	1/2013
X-B3-TX	InService	Cooper Power Systems	No	1250004769	1000	On nameplate: PCB content less than 1 ppm at time of manufacture	4/2012
X-B5-TX	InService		No		500		
X-B11-TX	InService		No		500		
X-D2-TX	Abandoned	Vantran Electric	No	88V4130	225	On nameplate: Mineral oil	1988
X-D3-TX	NotInService	Vantran Electric	No	88V4127	225	On nameplate: Mineral oil	1988
X-D5-TX	InService	Vantran Electric	No	88V4140	500	On nameplate: Mineral oil filled; Sticker: No PCBs, Filled with no PCB dielectric fluid, Less than 1 ppm at time of manufacture	1988
X-D6-TX	NotInService	Vantran Electric	No	88V4111	112	On nameplate: Mineral oil	1988
X-D7-TX	InService	Vantran Electric	No	88V4123	225	On nameplate: Mineral oil	1988
X-D8-TX	NotInService	Square D Company	No	870583-A1	300	Instruction book 43404-401-38	1/1988
X-D9-TX	NotInService	Vantran Electric	No	88V4124	225	On nameplate: Mineral oil	1988
X-D10-TX	NotInService	ABB	No	04J169218	300	On nameplate: Filled with non-PCB mineral oil that contained less than 1 ppm PCB at time of manufacture	11/2004
X-E2-TX	InService	Vantran Electric	No	88V4113	112	On nameplate: Mineral oil	1988
X-E8-TX	InService	Vantran Electric	No	88V4114	112	On nameplate: Mineral oil; Sticker: No PCBs, Filled with no PCB dielectric fluid, Less than 1 ppm at time of manufacture	1988
X-G5-TX	InService		No		225		
X-G10A-TX	InService	Vantran Electric	No	88V4119	150	On nameplate: Mineral oil	1988
X-G10-TX	InService	Vantran Electric	No	88V4116	150	On nameplate: Mineral oil	1988

							Date of
Transformer Number	Status	Manufacturer	PCB	Serial Number	Size KVA	Comments	Manufacture
X-G2-TX	Abandoned	Vantran Electric	No	88V4121	150	On nameplate: Mineral oil	1988
X-G3-TX	InService	Vantran Electric	No	88V4118	150	On nameplate: Mineral oil	1988
X-G4-TX	InService	Vantran Electric	No	88V4135	300	On nameplate: Mineral oil	1988
X-G6-TX	InService	Vantran Electric	No	88V4126	225	On nameplate: Mineral oil	1988
X-G7-TX	InService	Vantran Electric	No	88V4115	150	On nameplate: Mineral oil	1988
X-G8-TX	InService	Vantran Electric	No	88V4148	150	On nameplate: Mineral oil	1988
X-H4-TX	InService	Cooper Power Systems	No	1050012367	225	On nameplate: PCB content less than 1 ppm at time of	12/2010
						manufacture	
X-H5-TX	InService	Cooper Power Systems	No	1050012369	225	On nameplate: PCB content less than 1 ppm at time of	12/2010
						manufacture	
X-H7-TX	InService	Cooper Power Systems	No	1050012365	225	On nameplate: PCB content less than 1 ppm at time of	12/2010
						manufacture	
X-I10M-TX	InService	Vantran Electric	No	88V4110	1 /5	On namenlate, Mineral Oil, Sticker, No DCDs, Filled with no	1988
						On nameplate: Mineral Oil; Sticker: No PCBs, Filled with no	
						PCB dielectric fluid, Less than 1 ppm at time of manufacture	
B-200, #1 Precipitator, A	InService		No				
B-200, #1 Precipitator, B	InService		No				
B-200, #1 Precipitator, C	InService		Yes	L495599PMLB		Nameplate indicates PCBs	
B-200, #2 Precipitator, A	NotInService		No				
B-200, #2 Precipitator, B	NotInService		No				
B-200, #2 Precipitator, C	NotInService		Yes	L495603PMLB		Nameplate indicates PCBs	